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| Substitute Form PTO-1449<br>(Modified)<br><br><b>List of Patents and Publications for Applicant's<br/>Information Disclosure Statement</b><br><br>(37 CFR §1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office<br>AUG 04 2005 | Attorney's Docket No.<br>17248-004US1/4804US | Application No.<br>10/516,785 |
|   | Applicant<br>Szalay et al.  |  |                               |
|   | Filing Date<br>December 3, 2004   | Group Art Unit<br><del>1645</del><br>1636    |                               |

**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee        | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|-----------------|-------|----------|----------------------------|
| /D.S./           | A         | 20050031643     | 02/10/05         | Szalay et al.   | 424   | 199.1    | 06/18/04                   |
| ↓                | B         | 20040234455     | 11/25/04         | Szalay et al.   | 424   | 9.5      | 06/10/04                   |
| ↓                | C         | 20040213741     | 10/28/04         | Szalay et al.   | 424   | 9.5      | 05/19/04                   |
| ↓                | D         | 20050069491     | 3/31/05          | Yu, Yong et al. | 424   | 1.11     | 11/05/04                   |
| ↓                | E         | 5,646,298       | 07/08/97         | Powell et al.   | 548   | 427      | 06/07/95                   |
| /D.S./           | F         | 6,491,905       | 12/10/02         | Sorscher et al. | 435   | 315      | 10/30/98                   |

**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
| /D.S./           | G         | EP 1 512 746 ✓  | 03/09/2005       | EP                       | X     | X        |             |    |
| ↓                | H         | EP 1 526 185 ✓  | 04/27/05         | EP                       |       |          |             |    |
| ↓                | I         | WO 00/73479 ✓   | 12/07/2000       | PCT                      |       |          |             |    |
| ↓                | J         | WO 88/00617 ✓   | 01/28/1988       | PCT                      |       |          |             |    |
| ↓                | K         | WO 90/13658 ✓   | 11/15/1990       | PCT                      |       |          |             |    |
| ↓                | L         | WO 92/22327 ✓   | 12/23/1992       | PCT                      |       |          |             |    |
| ↓                | M         | WO 96/40238 ✓   | 12/19/1996       | PCT                      |       |          |             |    |
| ↓                | N         | WO 97/40183 ✓   | 10/30/1997       | PCT                      |       |          |             |    |
| /D.S./           | O         | WO 98/14605 ✓   | 04/09/1998       | PCT                      |       |          |             |    |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
| /D.S./           | P         | Aboody et al., "Neural stem cells display extensive tropism for pathology in adult brain: evidence from intracranial gliomas," Proc Natl Acad Sci U S A. 97(23):12846-51 (2000)                                 |
| ↓                | Q         | Aksac S., "[Antibody formation against Agrobacterium tumefaciens in patients with various cancers]," Turk Hij Tecz Biyol Derg. 34(1-2):48-51 (1974) [Article in Italian].                                       |
| ↓                | R         | Al'tshtein et al., "[Isolation of a recombinant vaccinia virus based on the LIVP strain inducing the surface antigen of the hepatitis B virus]," Dokl Akad Nauk SSSR. 285(3):696-9 (1985) [Article in Russian]. |
| ↓                | S         | Anaissie et al., "Pseudomonas putida: Newly recognized pathogen in patients with cancer," Am J Med. 82(6):1191-4 (1987)   |
| /D.S./           | T         | Anand, A and A.E. Glatt, "Clostridium difficile infection associated with antineoplastic chemotherapy: a review," Clin Infect Dis. 17(1):109-13 (1993)  |

Examiner Signature

Date Considered

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| <b>List of Patents and Publications for Applicant's<br/>Information Disclosure Statement</b><br><br>(37 CFR §1.98(b))   |              |   |  | Applicant<br>Szalay et al.                   |                               |
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| /D.S./  | U.           | Arab et al., "Verotoxin induces apoptosis and the complete, rapid, long-term elimination of human astrocytoma xenografts in nude mice," Oncol Res. 11(1):33-9 (1999)                  |  |  |                               |
|   | V.           | Arakawa et al., "Clinical trial of attenuated vaccinia virus AS strain in the treatment of advanced adenocarcinoma. Report on two cases," J Cancer Res Clin Oncol. 113(1):95-8 (1987) |  |  |                               |
|   | W.           | ATCC Accession No. 11842  |  |  |                               |
|   | X.           | ATCC Accession No. 11863  |  |  |                               |
|   | Y.           | ATCC Accession No. 13124  |  |  |                               |
|   | Z.           | ATCC Accession No. 15696  |  |  |                               |
|   | AA.          | ATCC Accession No. 15697  |  |  |                               |
|   | AB.          | ATCC Accession No. 15707  |  |  |                               |
|   | AC.          | ATCC Accession No. 15955  |  |  |                               |
|   | AD.          | ATCC Accession No. 17583  |  |  |                               |
|   | AE.          | ATCC Accession No. 17836  |  |  |                               |
|   | AF.          | ATCC Accession No. 19401  |  |  |                               |
|   | AG.          | ATCC Accession No. 19402  |  |  |                               |
|   | AH.          | ATCC Accession No. 19404  |  |  |                               |
|   | AI.          | ATCC Accession No. 25527  |  |  |                               |
|   | AJ.          | ATCC Accession No. 25752  |  |  |                               |
|   | AK.          | ATCC Accession No. 25923  |  |  |                               |
|   | AL.          | ATCC Accession No. 27337  |  |  |                               |
|   | AM.          | ATCC Accession No. 27555  |  |  |                               |
|   | AN.          | ATCC Accession No. 29212  |  |  |                               |
|   | AO.          | ATCC Accession No. 35782  |  |  |                               |
|   | AP.          | ATCC Accession No. 3624   |  |  |                               |
|   | AQ.          | ATCC Accession No. 37253  |  |  |                               |
|   | AR.          | ATCC Accession No. 393  |  |  |                               |
|   | AS.          | ATCC Accession No. 43142  |  |  |                               |
|   | AT.          | ATCC Accession No. 47054  |  |  |                               |
| /D.S./  | AU.          | ATCC Accession No. 51299  |  |  |                               |
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| /D.S./  | AV.          | ATCC Accession No. 700057  |  |                               |
|   | AW.          | ATCC Accession No. 824   |  |                               |
|   | AX.          | ATCC Accession No. 9338  |  |                               |
|   | AY.          | ATCC Accession No. 9714  |  |                               |
|   | AZ.          | ATCC Accession No. BAA-250D  |  |                               |
|   | BA.          | ATCC Accession No. CCL-70  |  |                               |
|   | BB.          | Azmi et al., "In situ localization of endogenous cytokinins during shooty tumor development on <i>Eucalyptus globulus</i> Labill," <i>Planta</i> 213(1):29-36 (2001)   |  |                               |
|   | BC.          | Baker, S.J. and E.P. Reddy, "Transducers of life and death: TNF receptor superfamily and associated proteins," <i>Oncogene</i> 12(1):1-9 (1996)  |  |                               |
|   | BD.          | Banerjee et al., " <i>Bacillus</i> infections in patients with cancer," <i>Arch Intern Med.</i> 148(8):1769-74 (1988)  |  |                               |
|   | BE.          | Bentires-Alj et al., "Cytosine deaminase suicide gene therapy for peritoneal carcinomatosis," <i>Cancer Gene Ther.</i> 7(1):20-6 (2000)  |  |                               |
|   | BF.          | Bermudes et al., "Tumor-targeted <i>Salmonella</i> : Highly selective delivery vectors," <i>Adv Exp Med Biol.</i> 465:57-63 (2000)   |  |                               |
|   | BG.          | Beyer et al., "Oncoretrovirus and lentivirus vectors pseudotyped with lymphocytic choriomeningitis virus glycoprotein: generation, concentration, and broad host range," <i>J Virol.</i> 76(3):1488-95 (2002)  |  |                               |
|   | BH.          | Biffi et al., "Antiproliferative effect of fermented milk on the growth of a human breast cancer cell line," <i>Nutr Cancer.</i> 28(1):93-9 (1997)   |  |                               |
|   | BI.          | Block et al., "Gene therapy of metastatic colon carcinoma: regression of multiple hepatic metastases by adenoviral expression of bacterial cytosine deaminase," <i>Cancer Gene Ther.</i> 7(3):438-45 (2000)  |  |                               |
|   | BJ.          | Bodey et al., "Clostridial bacteremia in cancer patients. A 12-year experience," <i>Cancer</i> 67(7):1928-42 (1991)  |  |                               |
|   | BK.          | Bogdanov et al., "Antitumour glycopeptides from <i>Lactobacillus bulgaricus</i> cell wall," <i>FEBS Lett.</i> 57(3):259-61 (1975)  |  |                               |
|   | BL.          | Bogdanov et al., "Antitumor action of glycopeptides from the cell wall of <i>Lactobacillus bulgaricus</i> ," <i>Bulletin of Experimental Biology and Medicine.</i> 84(12): 1750-1753 (1977); translated from the original Russian article: <i>Byulleten' Eksperimental'noi Biologii i Meditsiny</i> 84(12):709-12 (1977) |  |                               |
|   | BM.          | Certified English translation of Timiryasova et al., "Analysis of Reporter Gene Expression in Various Regions of the Genome of the Vaccinia Virus," <i>Molecular Biology</i> 27(2): 2-11 (1993).   |  |                               |
|   | BN.          | Chang et al., "Differential apoptotic susceptibility to anti-Fas IgM and anticancer drugs in a human endometrial adenocarcinoma cell line HHUA on laminin and type I collagen," <i>Osaka City Med J.</i> 44(2):173-80 (1998)   |  |                               |
|   | BO.          | Chatterjee, B.D. and C.K. Chakraborti, "Non-sporing anaerobes in certain surgical group of patients," <i>J Indian Med Assoc.</i> 93(9):333-5, 339 (1995)   |  |                               |
|   | BP.          | Chen et al., "Low-dose vaccinia virus-mediated cytokine gene therapy of glioma," <i>J Immunother.</i> 24(1):46-57 (2001)   |  |                               |
| /D.S./  | BQ.          | Clairmont et al., "Biodistribution and genetic stability of the novel antitumor agent VNP20009, a genetically modified strain of <i>Salmonella typhimurium</i> ," <i>J Infect Dis.</i> 181(6):1996-2002 (2000)   |  |                               |
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**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner<br>Initial | Desig.<br>ID | Document  |
|---------------------|--------------|---|
| /D.S./              | BR.          | Cole, A.M. and T. Ganz, "Human antimicrobial peptides: analysis and application," Biotechniques. 29(4):822-6, 828, 830-1 (2000)   |
|                     | BS.          | Collins, J.L. and C.J. Wust, "Suppression of SV40 tumors after immunization with group A Streptococcus pyogenes and Bordetella pertussis," Cancer Res. 34(5):932-7 (1974)   |
|                     | BT.          | Dang et al., "Combination bacteriolytic therapy for the treatment of experimental tumors," Proc Natl Acad Sci U S A. 98(26):15155-60 (2001)   |
|                     | BU.          | de Lorenzo V., "Isolation and characterization of microcin E492 from Klebsiella pneumoniae," Arch Microbiol. 139(1):72-5 (1984)   |
|                     | BV.          | Djeha et al., "Expression of Escherichia coli B nitroreductase in established human tumor xenografts in mice results in potent antitumoral and bystander effects upon systemic administration of the prodrug CB1954," Cancer Gene Ther. 7(5):721-31 (2000)                      |
|                     | BW.          | Djeha et al., "Combined adenovirus-mediated nitroreductase gene delivery and CB1954 treatment: a well-tolerated therapy for established solid tumors. Mol Ther. 2001 Feb;3(2):233-40.   |
|                     | BX.          | Duncan, J.R. and M.J. Welch, "Intracellular metabolism of indium-111-DTPA-labeled receptor targeted proteins," J Nucl Med. 34(10):1728-38 (1993)  |
|                     | BY.          | Dunn et al., "Cancer immunoediting: from immunosurveillance to tumor escape.," Nat Immunol. 3(11):991-8 (2002)  |
|                     | BZ.          | Eliopoulos et al., "CD40 induces apoptosis in carcinoma cells through activation of cytotoxic ligands of the tumor necrosis factor superfamily," Mol Cell Biol. 20(15):5503-15 (2000)   |
|                     | CA.          | Essbauer, S. and W. Ahne, "Viruses of lower vertebrates," J Vet Med B Infect Dis Vet Public Health. 48(6):403-75 (2001)   |
|                     | CB.          | Farkas-Himsley et al., "The bacterial colicin active against tumor cells in vitro and in vivo is verotoxin 1," Proc Natl Acad Sci U S A. 92(15):6996-7000 (1995)  |
|                     | CC.          | Feng et al., "The antitumor activity of a mixed bacterial vaccine against mouse hepatoma," Chinese Pharmaceutical Journal 30(7): 405-407 (1995) [Article in Chinese]  |
|                     | CD.          | Fodor et al., "Vaccinia virus mediated p53 gene therapy for bladder cancer in an orthotopic murine model," J. Urol. 173(2):604-9 (2005)   |
|                     | CE.          | Friedlos et al., "Three new prodrugs for suicide gene therapy using carboxypeptidase G2 elicit bystander efficacy in two xenograft models," Cancer Res. 62(6):1724-1729 (2002)  |
|                     | CF.          | Gnant et al., "Systemic administration of a recombinant vaccinia virus expressing the cytosine deaminase gene and subsequent treatment with 5-fluorocytosine leads to tumor-specific gene expression and prolongation of survival in mice," Cancer Res. 59(14):3396-3403 (1999) |
|                     | CG.          | Golstein, P., "Cell death: TRAIL and its receptors," Curr Biol. 7(12):R750-R753 (1997)  |
|                     | CH.          | Greco et al., "Development of a novel enzyme/prodrug combination for gene therapy of cancer: horseradish peroxidase/indole-3-acetic acid," Cancer Gene Ther. 7(11):1414-20 (2000)   |
|                     | CI.          | Gridley et al., "Evaluation of radiation effects against C6 glioma in combination with vaccinia virus-p53 gene therapy," Int J Oncol. 13(5):1093-8 (1998)   |
|                     | CJ.          | Gridley et al., "Proton radiation and TNF- $\alpha$ /Bax gene therapy for orthotopic C6 brain tumor in Wistar rats," Technol Cancer Res Treat. 3(2):217-27 (2004)   |
| /D.S./              | CK.          | Grote et al., "Live attenuated measles virus induces regression of human lymphoma xenografts in immunodeficient mice," Blood 97(12):3746-54 (2001)  |

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| /D.S./  | CL.          | Hall et al., "In vitro efficacy of transferrin-toxin conjugates against glioblastoma multiforme," J Neurosurg. 76(5):838-44 (1992)   |  |  |  |                               |  |
|   | CM.          | Hall et al., "In vivo efficacy of intrathecal transferrin-Pseudomonas exotoxin A immunotoxin against LOX melanoma," Neurosurgery 34(4):649-55; discussion 655-6 (1994)   |  |  |  |                               |  |
|   | CN.          | Hansen, R.M. and J.A. Libnoch, "Remission of chronic lymphocytic leukemia after smallpox vaccination," Arch Intern Med. 138(7):1137-8 (1978)   |  |  |  |                               |  |
|   | CO.          | Harrison et al., "Gene-modified PA1-STK cells home to tumor sites in patients with malignant pleural mesothelioma," Ann Thorac Surg. 70(2):407-11 (2000)   |  |  |  |                               |  |
|   | CP.          | Hasegawa et al., "Avoidance of bone marrow suppression using A-5021 as a nucleoside analog for retrovirus-mediated herpes simplex virus type I thymidine kinase gene therapy," Cancer Gene Ther. 7(4):557-62 (2000)              |  |  |  |                               |  |
|   | CQ.          | Herrlinger et al., "Neural precursor cells for delivery of replication-conditional HSV-1 vectors to intracerebral gliomas," Mol Ther. 1(4):347-57 (2000)   |  |  |  |                               |  |
|   | CR.          | Hetz et al., "Microcin E492, a channel-forming bacteriocin from Klebsiella pneumoniae, induces apoptosis in some human cell lines," Proc Natl Acad Sci U S A. 99(5):2696-701 (2002)  |  |  |  |                               |  |
|   | CS.          | Hostanska et al., "Aqueous ethanolic extract of St. John's wort (Hypericum perforatum L.) induces growth inhibition and apoptosis in human malignant cells in vitro," Pharmazie 57(5):323-31 (2002)                              |  |  |  |                               |  |
|   | CT.          | Hsueh et al., "Outbreak of Pseudomonas fluorescens bacteremia among oncology patients," J Clin Microbiol. 36(10):2914-7 (1998)   |  |  |  |                               |  |
|   | CU.          | Huang et al., "Impact of liver P450 reductase suppression on cyclophosphamide activation, pharmacokinetics and antitumoral activity in a cytochrome P450-based cancer gene therapy model," Cancer Gene Ther. 7(7):1034-42 (2000) |  |  |  |                               |  |
|   | CV.          | Ianaro et al., "A nitric oxide synthase inhibitor reduces inflammation, down-regulates inflammatory cytokines and enhances interleukin-10 production in carrageenin-induced oedema in mice," Immunology. 82(3):370-5 (1994)      |  |  |  |                               |  |
|   | CW.          | Jiang et al., "Apoptosis in human hepatoma cell lines by chemotherapeutic drugs via Fas-dependent and Fas-independent pathways," Hepatology. 29(1):101-10 (1999)   |  |  |  |                               |  |
|   | CX.          | Johnson et al., "Improved tumor-specific immunotoxins in the treatment of CNS and leptomeningeal neoplasia," J Neurosurg. 70(2):240-8 (1989)   |  |  |  |                               |  |
|   | CY.          | Jordan et al., "Melanocyte-Directed enzyme prodrug therapy (MDEPT): development of second generation prodrugs for targeted treatment of malignant melanoma," Bioorg Med Chem. 9(6):1549-58 (2001)                                |  |  |  |                               |  |
|   | CZ.          | Kaklij et al., "Antitumor activity of Streptococcus thermophilus against fibrosarcoma: role of T-cells," Cancer Lett. 56(1):37-43 (1991)   |  |  |  |                               |  |
|   | DA.          | Kaklij, G.S. and S.M. Kelkar, "Tumor-specific transplantation resistance in mice after treatment of initial tumors with Streptococcus thermophilus," Microbiol Immunol. 40(1):55-8 (1996)  |  |  |  |                               |  |
|   | DB.          | Kammertoens et al., "Combined chemotherapy of murine mammary tumors by local activation of the prodrugs ifosfamide and 5-fluorocytosine," Cancer Gene Ther. 7(4):629-36 (2000)   |  |  |  |                               |  |
|   | DC.          | Kan et al., "Direct retroviral delivery of human cytochrome P450 2B6 for gene-directed enzyme prodrug therapy of cancer," Cancer Gene Ther. 8(7):473-82 (2001)   |  |  |  |                               |  |
|   | DD.          | Kato et al., "Antitumor activity of Lactobacillus casei in mice," Gann. 72(4):517-23 (1981)  |  |  |  |                               |  |

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| /D.S./  | DE.          | Kato et al., "Correlation between increase in Ia-bearing macrophages and induction of T cell-dependent antitumor activity by <i>Lactobacillus casei</i> in mice," <i>Cancer Immunol Immunother.</i> 26(3):215-21 (1988)   |  |  |  |                               |  |
|   | DF.          | Kawamura et al., "Expression of <i>Escherichia coli</i> uracil phosphoribosyltransferase gene in murine colon carcinoma cells augments the antitumoral effect of 5-fluorouracil and induces protective immunity," <i>Cancer Gene Ther.</i> 7(4):637-43 (2000)   |  |  |  |                               |  |
|   | DG.          | Kelkar et al., "Antitumor activity of lactic acid bacteria on a solid fibrosarcoma, sarcoma-180 and Ehrlich ascites carcinoma," <i>Cancer Lett.</i> 42(1-2):73-7 (1988)   |  |  |  |                               |  |
|   | DH.          | Ketlinsky et al., "[Mechanism of the anti-tumoral effect of the blastolysin fraction isolated from <i>Lactobacillus bulgaricus</i> ]," <i>Vopr Onkol.</i> 33(3):51-6 (1987) [Article in Russian].   |  |  |  |                               |  |
|   | DI.          | Kimura et al., "Selective localization and growth of <i>Bifidobacterium bifidum</i> in mouse tumors following intravenous administration," <i>Cancer Res.</i> 40(6):2061-8 (1980)   |  |  |  |                               |  |
|   | DJ.          | Kohwi et al., "Antitumor effect of <i>Bifidobacterium infantis</i> in mice," <i>Gann.</i> 69(5):613-8 (1978)  |  |  |  |                               |  |
|   | DK.          | Kokkinakis et al., "Effect of long-term depletion of plasma methionine on the growth and survival of human brain tumor xenografts in athymic mice," <i>Nutr Cancer.</i> 29(3):195-204 (1997)  |  |  |  |                               |  |
|   | DL.          | Kopylova-Sviridova et al., "Transient expression assay in a baculovirus system using firefly luciferase gene as a reporter," <i>Virus Genes.</i> 6(4):379-86 (1992)   |  |  |  |                               |  |
|   | DM.          | Koyama et al., "Combined suicide gene therapy for human colon cancer cells using adenovirus-mediated transfer of <i>Escherichia coli</i> cytosine deaminase gene and <i>Escherichia coli</i> uracil phosphoribosyltransferase gene with 5-fluorocytosine," <i>Cancer Gene Ther.</i> 7(7):1015-22 (2000) |  |  |  |                               |  |
|   | DN.          | Kunik et al., "Genetic transformation of HeLa cells by <i>Agrobacterium</i> ," <i>Proc Natl Acad Sci U S A.</i> 98(4):1871-6 (2001)   |  |  |  |                               |  |
|   | DO.          | Lachmann, R.H. and S. Efstathiou, "Gene transfer with herpes simplex vectors," <i>Curr Opin Mol Ther.</i> 1(5):622-32 (1999)  |  |  |  |                               |  |
|   | DP.          | Lamensans et al., "Enhancement of immunity against murine syngeneic tumors by a fraction extracted from non-pathogenic mycobacteria," <i>Proc Natl Acad Sci U S A.</i> 72(9):3656-60 (1975)   |  |  |  |                               |  |
|   | DQ.          | Lammertyn et al., "Evaluation of a novel subtilisin inhibitor gene and mutant derivatives for the expression and secretion of mouse tumor necrosis factor alpha by <i>Streptomyces lividans</i> ," <i>Appl Environ Microbiol.</i> 63(5):1808-13 (1997)  |  |  |  |                               |  |
|   | DR.          | Li et al., "Enzyme/prodrug gene therapy approach for breast cancer using a recombinant adenovirus expressing <i>Escherichia coli</i> cytosine deaminase," <i>Cancer Gene Ther.</i> 4(2):113-7 (1997)  |  |  |  |                               |  |
|   | DS.          | Liu et al., "Anticancer efficacy of systemically delivered anaerobic bacteria as gene therapy vectors targeting tumor hypoxia/necrosis," <i>Gene Ther.</i> 9(4):291-6 (2002)  |  |  |  |                               |  |
|   | DT.          | Martino et al., "Bacteremia due to glucose non-fermenting gram-negative bacilli in patients with hematological neoplasias and solid tumors," <i>Eur J Clin Microbiol Infect Dis.</i> 15(7):610-5 (1996)   |  |  |  |                               |  |
|   | DU.          | McIntosh et al., "A probiotic strain of <i>L. acidophilus</i> reduces DMH-induced large intestinal tumors in male Sprague-Dawley rats," <i>Nutr Cancer.</i> 35(2):153-9 (1999)  |  |  |  |                               |  |
|   | DV.          | Meadows et al., "Some biological properties and an in vivo evaluation of tyrosine phenol-lyase on growth of B-16 melanoma," <i>Cancer Res.</i> 36(1):167-7 (1976)   |  |  |  |                               |  |
| /D.S./  | DW.          | Meck et al., "A virus-directed enzyme prodrug therapy approach to purging neuroblastoma cells from hematopoietic cells using adenovirus encoding rabbit carboxylesterase and CPT-11," <i>Cancer Res.</i> 61(13):5083-9 (2001)   |  |  |  |                               |  |

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|  |              |   |  |                               |
|--|--------------|---|--|-------------------------------|
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|  |              |   | Filing Date<br>December 3, 2004              | Group Art Unit<br>1645        |
| (37 CFR §1.98(b))  |              |   |  |                               |
| Other Documents (include Author, Title, Date, and Place of Publication)              |              |   |  |                               |
| Examiner<br>Initial  | Desig.<br>ID | Document  |  |                               |
| /D.S./   | DX.          | Micheau et al., "Sensitization of cancer cells treated with cytotoxic drugs to fas-mediated cytotoxicity," J Natl Cancer Inst. 89(11):783-9 (1997)  |  |                               |
|  | DY.          | Michl et al., "Claudin-4: a new target for pancreatic cancer treatment using <i>Clostridium perfringens</i> enterotoxin," Gastroenterology 121(3):678-84 (2001)   |  |                               |
|  | DZ.          | Miki et al., "Methioninase gene therapy of human cancer cells is synergistic with recombinant methioninase treatment," Cancer Res. 60(10):2696-702 (2000)   |  |                               |
|  | EA.          | Milbrandt, E., "A novel source of enterococcal endocarditis," Clin Cardiol. 21(2):123-6 (1998)  |  |                               |
|  | EB.          | Minton et al., "Chemotherapeutic tumour targeting using clostridial spores," FEMS Microbiol Rev. 17(3):357-64 (1995)  |  |                               |
|  | EC.          | Mirzadeh et al., "Radiometal labeling of immunoproteins: covalent linkage of 2-(4-isothiocyanatobenzyl)diethylenetriaminepentaacetic acid ligands to immunoglobulin," Bioconj Chem. 1(1):59-65 (1990)                   |  |                               |
|  | ED.          | Mizutani, T and T. Mitsuoka, "Inhibitory effect of some intestinal bacteria on liver tumorigenesis in gnotobiotic C3H/He male mice," Cancer Lett. 11(2):89-95 (1980)  |  |                               |
|  | EE.          | Mizutani et al., "Doxorubicin sensitizes human bladder carcinoma cells to Fas-mediated cytotoxicity," Cancer. 79(6):1180-9 (1997)   |  |                               |
|  | EF.          | Mizutani et al., "Sensitization of human bladder cancer cells to Fas-mediated cytotoxicity by cis-diamminedichloroplatinum (II)," J Urol. 160(2):561-70 (1998)  |  |                               |
|  | EG.          | Mohr et al., "Rabbit cytochrome P450 4B1: A novel prodrug activating gene for pharmacogene therapy of hepatocellular carcinoma," Cancer Gene Ther. 7(7):1008-14 (2000)  |  |                               |
|  | EH.          | Moolten, F.L., "Tumor chemosensitivity conferred by inserted herpes thymidine kinase genes: paradigm for a prospective cancer control strategy," Cancer Res. 46(10):5276-81 (1986)                                      |  |                               |
|  | EI.          | Mukherjee et al., "Replication-restricted vaccinia as a cytokine gene therapy vector in cancer: persistent transgene expression despite antibody generation," Cancer Gene Ther. 7(5):663-70 (2000)                      |  |                               |
|  | EJ.          | Murosaki et al., "Antitumor effect of heat-killed <i>Lactobacillus plantarum</i> L-137 through restoration of impaired interleukin-12 production in tumor-bearing mice," Cancer Immunol Immunother. 49(3):157-64 (2000) |  |                               |
|  | EK.          | Myklebust et al., "Eradication of small cell lung cancer cells from human bone marrow with immunotoxins," Cancer Res. 53(16):3784-8 (1993)  |  |                               |
|  | EL.          | Nakamura et al., "Induction of apoptosis in HL60 leukemic cells by anticancer drugs in combination with anti-Fas monoclonal antibody," Anticancer Res. 17(1A):173-9 (1997)  |  |                               |
|  | EM.          | Nakao, H. and T. Takeda, " <i>Escherichia coli</i> Shiga toxin," J Nat Toxins. 9(3):299-313 (2000)  |  |                               |
|  | EN.          | Nauciel, C. and A.F. Goguel, "Inhibition of tumor growth by the peptidoglycan from <i>Bacillus megaterium</i> ," J Natl Cancer Inst. 59(6):1723-6 (1977)  |  |                               |
|  | EO.          | Nuyts et al., "Clostridium spores for tumor-specific drug delivery," Anticancer Drugs. 13(2):115-25 (2002)  |  |                               |
|  | EP.          | O'Brien et al., "Shiga toxin: biochemistry, genetics, mode of action, and role in pathogenesis," Curr Top Microbiol Immunol. 180:65-94 (1992)   |  |                               |
| /D.S./   | EQ.          | O'Mahony et al., "Probiotic impact on microbial flora, inflammation and tumour development in IL-10 knockout mice," Aliment Pharmacol Ther. 15(8):1219-25 (2001)  |  |                               |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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| Examiner<br>Initial   | Desig.<br>ID | Document  |  |  |  |                               |  |
| /D.S./  | ER.          | Paul et al., "Redirected cellular cytotoxicity by infection of effector cells with a recombinant vaccinia virus encoding a tumor-specific monoclonal antibody," Cancer Gene Ther. 7(4):615-23 (2000)  |  |  |  |                               |  |
|   | ES.          | Pawelek et al., "Tumor-targeted <i>Salmonella</i> as a novel anticancer vector," Cancer Res. 57(20):4537-4544 (1997)  |  |  |  |                               |  |
|   | ET.          | Pekhov AA, Zhukova OS, Ivanova TP, Zanin VA, Dobrynin IaV. [Cytotoxic effect of methionine-gamma-lyase on neoplastic cells in culture] Biull Eksp Biol Med. 95(5):87-8 (1983) [Article in Russian].   |  |  |  |                               |  |
|   | EU.          | Picot et al., " <i>Pseudomonas fluorescens</i> as a potential pathogen: adherence to nerve cells," Microbes Infect. 3(12):985-95 (2001)   |  |  |  |                               |  |
|   | EV.          | Rezmer et al., "Identification and localization of transformed cells in <i>Agrobacterium tumefaciens</i> -induced plant tumors," Planta. 209(4):399-405 (1999)  |  |  |  |                               |  |
|   | EW.          | Saito, H. and T. Watanabe T., "Effects of a bacteriocin from <i>Mycobacterium smegmatis</i> on BALB/3T3 and simian virus 40-transformed BALB/c mouse cells," Microbiol Immunol. 25(1):13-22 (1981)  |  |  |  |                               |  |
|   | EX.          | Schempp et al., "Inhibition of tumour cell growth by hyperforin, a novel anticancer drug from St. John's wort that acts by induction of apoptosis," Oncogene 21(8):1242-50 (2002)   |  |  |  |                               |  |
|   | EY.          | Schirmacher et al., "Antitumor effects of Newcastle Disease Virus <i>in vivo</i> : local versus systemic effects," Int J Oncol. 18(5):945-52 (2001)   |  |  |  |                               |  |
|   | EZ.          | Schoen et al., "Bacterial delivery of functional messenger RNA to mammalian cells," Cell Microbiol. 7(5):709-24 (2005)  |  |  |  |                               |  |
|   | FA.          | Schroder, J.M., "Epithelial antimicrobial peptides: innate local host response elements," Cell Mol Life Sci. 56(1-2):32-46 (1999)   |  |  |  |                               |  |
|   | FB.          | Schuller et al., "Investigation and management of <i>Clostridium difficile</i> colonisation in a paediatric oncology unit," Arch Dis Child. 72(3):219-222 (1995)  |  |  |  |                               |  |
|   | FC.          | Sekine et al., "Analysis of antitumor properties of effector cells stimulated with a cell wall preparation (WPG) of <i>Bifidobacterium infantis</i> ," Biol Pharm Bull. 18(1):148-53 (1995)   |  |  |  |                               |  |
|   | FD.          | Sekine et al., "A new morphologically characterized cell wall preparation (whole peptidoglycan) from <i>Bifidobacterium infantis</i> with a higher efficacy on the regression of an established tumor in mice," Cancer Res. 45(3):1300-7 (1985) |  |  |  |                               |  |
|   | FE.          | Sharma et al., "Death the Fas way: regulation and pathophysiology of CD95 and its ligand," Pharmacol Ther. 88(3):333-47 (2000)  |  |  |  |                               |  |
|   | FF.          | Shimizu et al., "Significance of priming of hosts with virus in the tumor-specific immunotherapy model utilizing virus-reactive helper T cell activity," Nippon Gan Chiryo Gakkai Shi. 1989 May 20;24(5):1007-14. [Article in Japanese].        |  |  |  |                               |  |
|   | FG.          | Shimizu et al., "Immunotherapy of tumor-bearing mice utilizing virus help," Cancer Immunol Immunother. 27(3):223-7 (1988)   |  |  |  |                               |  |
| ↓   | FH.          | Simon et al., "Surveillance for nosocomial and central line-related infections among pediatric hematology-oncology patients," Infect Control Hosp Epidemiol. 21(9):592-6 (2000)   |  |  |  |                               |  |
| /D.S./  | FI.          | Simonds et al., "Deoxyribonucleic acid hybridization among strains of lactobacilli," J Bacteriol. 107(1):382-4 (1971)   |  |  |  |                               |  |

|   |                 |
|---|-----------------|
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| Examiner<br>Initial   | Desig.<br>ID | Document   |  |  |  |                               |  |
| /D.S./  | FJ.          | Sivanandham et al., "Colon cancer cell vaccine prepared with replication-deficient vaccinia viruses encoding B7.1 and interleukin-2 induce antitumor response in syngeneic mice," <i>Cancer Immunol Immunother</i> 46(5):261-7 (1998)  |  |  |  |                               |  |
|   | FK.          | Smyth et al., "Bovine enterovirus as an oncolytic virus: foetal calf serum facilitates its infection of human cells," <i>Int J Mol Med</i> . 10(1):49-53 (2002)  |  |  |  |                               |  |
|   | FL.          | Soby et al., "Catabolite-repressor-like protein regulates the expression of a gene under the control of the <i>Escherichia coli</i> lac promoter in the plant pathogen <i>Xanthomonas campestris</i> pv. <i>Campestris</i> ," <i>Appl Microbiol Biotechnol</i> . 46(5-6):559-61 (1996) |  |  |  |                               |  |
|   | FM.          | Spooner et al., "In suicide gene therapy, the site of subcellular localization of the activating enzyme is more important than the rate at which it activates prodrug," <i>Cancer Gene Ther</i> . 7(10):1348-56 (2000)   |  |  |  |                               |  |
|   | FN.          | Steffens et al., "Enhanced green fluorescent protein fusion proteins of herpes simplex virus type 1 thymidine kinase and cytochrome P450 4B1: applications for prodrug-activating gene therapy," <i>Cancer Gene Ther</i> . 7(5):806-12 (2000)  |  |  |  |                               |  |
|   | FO.          | Tanaka et al., "Preliminary evaluation of intratumoral injection of a <i>Streptococcus pyogenes</i> preparation in patients with malignant brain tumors," <i>Cancer</i> 46(7):1688-94 (1980)   |  |  |  |                               |  |
|   | FP.          | Tartaglia et al., "NYVAC: a highly attenuated strain of vaccinia virus," <i>Virology</i> 188(1):217-32 (1992)  |  |  |  |                               |  |
|   | FQ.          | Thatcher et al., "The potential of acetaminophen as a prodrug in gene-directed enzyme prodrug therapy," <i>Cancer Gene Ther</i> . 7(4):521-5 (2000)  |  |  |  |                               |  |
|   | FR.          | Theys et al., "Specific targeting of cytosine deaminase to solid tumors by engineered <i>Clostridium acetobutylicum</i> ," <i>Cancer Gene Ther</i> . 8(4):294-7 (2001)   |  |  |  |                               |  |
|   | FS.          | Theys et al., "Stable <i>Escherichia coli</i> - <i>Clostridium acetobutylicum</i> shuttle vector for secretion of murine tumor necrosis factor alpha," <i>Appl Environ Microbiol</i> . 65(10):4295-4300 (1999)   |  |  |  |                               |  |
|   | FT.          | Tietze et al., "Highly selective glycosylated prodrugs of cytostatic CC-1065 analogues for antibody-directed enzyme tumor therapy," <i>Chembiochem</i> . 2(10):758-65 (2001)   |  |  |  |                               |  |
|   | FU.          | Timiryasova et al., "Radiation enhances the anti-tumor effects of vaccinia-p53 gene therapy in glioma," <i>Technol Cancer Res Treat</i> . 2(3):223-35 (2003)   |  |  |  |                               |  |
|   | FV.          | Toso et al., "Phase I study of the intravenous administration of attenuated <i>Salmonella typhimurium</i> to patients with metastatic melanoma," <i>J Clin Oncol</i> . 20(1):142-52 (2002)   |  |  |  |                               |  |
|   | FW.          | Ullrich C.I. and R. Aloni, "Vascularization is a general requirement for growth of plant and animal tumours," <i>Journal of Experimental Botany</i> 51(353):1951-60 (2000).  |  |  |  |                               |  |
|   | FX.          | Webley et al., "Measurement of the critical DNA lesions produced by antibody-directed enzyme prodrug therapy (ADEPT) in vitro, in vivo and in clinical material," <i>Br J Cancer</i> . 84(12):1671-6 (2001)  |  |  |  |                               |  |
|   | FY.          | Weedon et al., "Sensitisation of human carcinoma cells to the prodrug CB1954 by adenovirus vector-mediated expression of <i>E. coli</i> nitroreductase," <i>Int J Cancer</i> . 86(6):848-54 (2000)   |  |  |  |                               |  |
|   | FZ.          | Wehl et al., "Trends in infection morbidity in a pediatric oncology ward, 1986-1995," <i>Med Pediatr Oncol</i> . 32(5):336-43 (1999)   |  |  |  |                               |  |
| /D.S./  | GA.          | Westphal et al., "The nitroreductase/CB1954 combination in Epstein-Barr virus-positive B-cell lines: induction of bystander killing in vitro and in vivo," <i>Cancer Gene Ther</i> . 7(1):97-106 (2000)  |  |  |  |                               |  |

|   |                 |
|---|-----------------|
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| Examiner<br>Initial   | Desig.<br>ID | Document   |  |  |                               |
| /D.S./  | GB.          | Wollowski et al., "Protective role of probiotics and prebiotics in colon cancer," Am J Clin Nutr. 73 (2 Suppl):451S-455S (2001)  |  |  |                               |
|   | GC.          | Wu et al., "Biological purging of breast cancer cells using an attenuated replication-competent herpes simplex virus in human hematopoietic stem cell transplantation," Cancer Res. 61(7):3009-15 (2001) |  |  |                               |
|   | GD.          | Yamamoto et al., "Production of L-forms of Streptococcus pyogenes and their antitumor effects," Jpn J Exp Med. 50(5):383-8 (1980)  |  |  |                               |
|   | GE.          | Yazawa et al., "Bifidobacterium longum as a delivery system for cancer gene therapy: Selective localization and growth in hypoxic tumors," Cancer Gene Ther. 7(2):269-74 (2000)                          |  |  |                               |
|   | GF.          | Yazawa et al., "Bifidobacterium longum as a delivery system for gene therapy of chemically induced rat mammary tumors. Breast Cancer Res Treat. 66(2):165-70 (2001)                                      |  |  |                               |
|   | GG.          | Yu et al., "Visualization of tumors and metastases in live animals with bacteria and vaccinia virus encoding light-emitting proteins," Nature Biotechnology 22(3):313-320 (2004)                         |  |  |                               |
|   | GH.          | Zambryski et al., "Tumor induction by Agrobacterium tumefaciens: analysis of the boundaries of T-DNA," J Mol Appl Genet. 1(4):361-70 (1982)  |  |  |                               |
|   | GI.          | Zheng et al., "Tumor amplified protein expression therapy: Salmonella as a tumor-selective protein delivery vector," Oncology Research 12(3):127-135 (2000)  |  |  |                               |
| /D.S./  | GJ.          | zur Hausen, H., "Papillomaviruses and cancer: from basic studies to clinical application. Nature Reviews Cancer 2(5):342-50 (2002)   |  |  |                               |

|   |                               |
|---|-------------------------------|
| Examiner Signature<br>/Daniel M Sullivan/   | Date Considered<br>01/08/2008 |
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10/516,785**Information Disclosure Statement  
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Aladar A. Szalay et al.Filing Date  
June 27, 2005Group Art Unit  
1636**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee            | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|---------------------|-------|----------|----------------------------|
| /D.S./           | AA        | 2007/0212727    | 9/13/07          | Szalay et al.       | 435   | 6        | 04/25/07                   |
| ↓                | AB        | 2007/0202572    | 8/30/07          | Szalay et al.       | 435   | 69.1     | 04/25/07                   |
| ↓                | AC        | 2003/0103941    | 06/05/03         | Crombleholme et al. | 424   | 93.2     | 10/09/02                   |
| ↓                | AD        | 2007/0025981    | 02/01/07         | Szalay et al.       | 424   | 130.1    | 09/27/06                   |
| ↓                | AE        | 6,106,826       | 08/22/00         | Brandt et al.       | 424   | 93.2     | 12/17/97                   |
| /D.S./           | AF        | 6,503,703       | 01/07/03         | Palese et al.       | 435   | 5        | 08/11/00                   |

**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
| /D.S./           | AG        | WO 00/69448     | 11/23/00         | WIPO                     | X     | X        |             |    |
| ↓                | AH        | WO 02/071062    | 09/12/02         | WIPO                     |       |          |             |    |
| ↓                | AI        | WO 04/030631    | 4/15/04          | WIPO                     |       |          |             |    |
| ↓                | AJ        | WO 97/35997     | 10/02/97         | WIPO                     |       |          |             |    |
| ↓                | AK        | WO 98/05274     | 2/12/98          | WIPO                     |       |          |             |    |
| ↓                | AL        | WO 98/35695     | 08/20/98         | WIPO                     |       |          |             |    |
| /D.S./           | AM        | WO 99/30648     | 06/24/99         | WIPO                     |       |          |             |    |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
| /D.S./           | AN        | Abe et al., "Peripheral blood fibrocytes: differentiation pathway and migration to wound sites," <i>Journal of Immunology</i> 166:7556-7562 (2001).   |
| ↓                | AO        | Ballas et al., "Adult bone marrow stem cells for cell and gene therapies: implications for greater use," <i>Journal of Cellular Biochemistry. Supplement</i> 38:20-28 (2002).               |
| ↓                | AP        | Bonadio, J., "Genetic approaches to tissue repair," <i>Annals of the New York Academy of Sciences</i> 961:58-60 (2002).   |
| ↓                | AQ        | Bulte et al., "Magnetodendrimers allow endosomal magnetic labeling and in vivo tracking of stem cells," <i>Nature Biotechnology</i> , 19(12):1141-1147 (2001).                              |
| ↓                | AR        | Burt et al., "Treatment of autoimmune disease by intense immunosuppressive conditioning and autologous hematopoietic stem cell transplantation," <i>Blood</i> 92(10):3505-3514 (1998).      |
| ↓                | AS        | Byun et al., "Myocardial injury-induced fibroblast proliferation facilitates retroviral-mediated gene transfer to the rat heart in vivo," <i>Journal of Gene Medicine</i> 2(1):2-10 (2000). |
| /D.S./           | AT        | Chen, Y., "Orthopedic applications of gene therapy," <i>Journal of Orthopaedic Science</i> 6:199-207, (2000).   |

Examiner Signature

Date Considered

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Substitute Disclosure Form (PTO-1449)

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| Substitute Form PTO-1449<br>(Modified)   | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>17248-004US1/4804US | Application No.<br>10/516,785 |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br>(37 CFR §1.98(b)) |  | Applicant<br>Aladar A. Szalay et al.         |                               |
|  |  | Filing Date<br>June 27, 2005                 | Group Art Unit<br>1636        |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |   |
|---|-----------|---|
| Examiner Initial  | Desig. ID | Document  |
| /D.S./  | AU        | Chen et al., "Therapeutic benefit of intravenous administration of bone marrow stromal cells after cerebral ischemia in rats," <i>Stroke</i> 32:1005-1011 (2001).   |
|   | AV        | Chernajovsky et al., "Fighting cancer with oncolytic viruses," <i>BMJ : British Medical Journal</i> 332(7534):170-172 (2006).   |
|   | AW        | Costa, G., et al., "Adoptive immunotherapy of experimental autoimmune encephalomyelitis via T cell delivery of the IL-12 p40 subunit," <i>Journal of Immunology</i> , 167(4):2379-2387 (2001).  |
|   | AX        | Crombleholme, T., "Adenoviral-mediated gene transfer in wound healing," <i>Wound Repair and Regeneration</i> 8(6):460-472, (2000).  |
|   | AY        | Cupp, C. and D. Bloom, "Gene therapy, electroporation, and the future of wound-healing therapies," <i>Facial Plastic Surgery</i> 18(1):53-57 (2002).  |
|   | AZ        | Deodato et al. "Recombinant AAV vector encoding human VEGF165 enhances wound healing" <i>Gene Therapy</i> 9:777-785 (2002)  |
|   | BA        | Eming, S., et al., "Gene therapy for tissue repair: approaches and prospects," <i>British Journal of Plastic Surgery</i> 50(7):491-500 (1997).  |
|   | BB        | Falk et al., "Improved adherence of genetically modified endothelial cells to small-diameter expanded polytetrafluoroethylene grafts in a canine model," <i>Journal of Vascular Surgery</i> 902-908.  |
|   | BC        | Fox et al., "Anaerobic bacteria as a delivery system for cancer gene therapy: in vitro activation of 5," <i>Gene Therapy</i> 3:173-178 (1996).  |
|   | BD        | Fox et al., Erratum to "Anaerobic bacteria as a delivery system for cancer gene therapy: in vitro activation of 5," <i>Gene Therapy</i> 3:741 (1996).   |
|   | BE        | Gautam et al., "Delivery systems for pulmonary gene therapy," <i>American Journal of Respiratory Medicine</i> 1(1):35-46 (2002).  |
|   | BF        | Ghivizzani, S., et al., "Direct adenovirus-mediated gene transfer of interleukin 1 and tumor necrosis factor alpha soluble receptors to rabbit knees with experimental arthritis has local and distal anti-arthritic effects," <i>Proceedings of the National Academy of Sciences of the United States of America</i> 95(8):4613-4618 (1998). |
|   | BG        | Ghivizzani, S., et al., "Direct retrovirus-mediated gene transfer to the synovium of the rabbit knee: implications for arthritis gene therapy," <i>Gene Therapy</i> 4(9):977-982 (1997).  |
|   | BH        | Gordon, E., et al., "Lesion-targeted injectable vectors for vascular restenosis," <i>Human Gene Therapy</i> , 12:1277-1287, (2001).   |
|   | BI        | Gura, "Systems for identifying new drugs are often faulty," <i>Science</i> 278:1041-1042 (1997).  |
|   | BJ        | Hall, F., et al., "Targeting retroviral vectors to vascular lesions by genetic engineering of the MoMLV gp70 envelope protein," <i>Human Gene Therapy</i> , 8:2183-2192, (1997).  |
|   | BK        | Iwaguro et al., "Endothelial progenitor cell vascular endothelial growth factor gene transfer for vascular regeneration," <i>Circulation</i> 105:732-738 (2002).  |
|   | BL        | Kelland et al. "Of mice and men: values and liabilities of the athymic nude mouse model in anticancer drug development," <i>European Journal of Cancer</i> 40:827-836 (2004).   |
|   | BM        | Kerbel et al., "Human tumor xenografts as predictive preclinical models for anticancer drug activity in humans," <i>Cancer Biology &amp; Therapy</i> 2:4 suppl. 1 S134-S139 (2003).   |
|   | BN        | Kirn et al. "A tale of two trials: selectively replicating herpesviruses for brain tumors," <i>Gene Therapy</i> 7(10):815-816 (2000).   |
| /D.S./  | BO        | Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> 256:495-497 (1975).   |

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| Examiner Signature   | Date Considered |
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| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary) |  | Applicant<br>Aladar A. Szalay et al.         |                               |
|   |  | Filing Date<br>June 27, 2005                 | Group Art Unit<br>1636        |
| (37 CFR §1.98(b))   |  |  |                               |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
|---|-----------|--|
| Examiner Initial  | Desig. ID | Document   |
| /D.S./  | BP        | Kotton et al., "Bone marrow-derived cells as progenitors of lung alveolar epithelium," Development 128:5181-5188 (2001).   |
|   | BQ        | Larocca et al., "Gene transfer to mammalian cells using genetically targeted filamentous bacteriophage," FASEB Journal 13:727-734 (1999).  |
|   | BR        | Lee et al., "Regeneration of hyaline cartilage by cell-mediated gene therapy using transforming growth factor beta 1-producing fibroblasts" Human Gene Ther. 12(14):1805-1813 (2001).  |
|   | BS        | Liechty, K., et al., "Adenoviral-mediated overexpression of platelet-derived growth factor-B corrects ischemic impaired wound healing," Journal of Investigative Dermatology 113(3):375-383 (1999).  |
|   | BT        | Lindsey et al., "Modified cold virus kills colon cancer," Lancet Oncology 3(5):264 (2002).   |
|   | BU        | Lock, C., et al., "The role of TNFalpha and lymphotoxin in demyelinating disease," Annals of the Rheumatic Diseases 58 Suppl 1:1121-1128 (1999).   |
|   | BV        | Lutz et al., "Independent and tight regulation of transcriptional units in Escherichia coli via the LacR/O, the TetR/O and AraC/I1-I2 regulatory elements," Nucleic Acids Research 25:1203-1210 (1997).  |
|   | BW        | Marti et al., "PBSC autotransplant for inflammatory bowel disease (IBD): a case of ulcerative colitis," Bone Marrow Transplantation 28:109-113 (2001).   |
|   | BX        | McCluskie et al., "Route and Method of Delivery of DNA Vaccine Influence Immune Responses in Mice and Non-Human Primates" Mol. Med. 5:287-300 (1999)   |
|   | BY        | Meuli, M., et al., "Efficient gene expression in skin wound sites following local plasmid injection," Journal of Investigative Dermatology 116(1):131-135 (2001).  |
|   | BZ        | Moats et al., "A 'smart' magnetic resonance imaging agent that reports on specific enzymatic activity," Angewandte Chemie 36(7):726-728 (1997).  |
|   | CA        | Musso et al., "Crohn's disease complicated by relapsed extranodal Hodgkin's lymphoma: prolonged complete remission after unmanipulated PBPC autotransplant" Bone Marrow Transplantation 26:921-923 (2000)  |
|   | CB        | Okuma et al., "Reinsertion of stimulated nucleus pulposus cells retards intervertebral disk degeneration: an in vitro and in vivo experimental study," Journal of Orthopaedic Research 18(6):988-997 (2000).   |
|   | CC        | Orlic et al., "Bone marrow cells regenerate infarcted myocardium," Nature 410:701-705 (2001).  |
|   | CD        | Parikh et al., "Endothelial cell delivery for cardiovascular therapy," Advanced drug delivery reviews 42(1-2):139-161 (2000).  |
|   | CE        | Parks, E., et al., "Transient gene transfer of IL-12 regulates chemokine expression and disease severity in experimental arthritis," Journal of Immunology 160(9):4615-4619 (1998).  |
|   | CF        | Pfeifer et al., "Gene Therapy: Promises and Problems," Annual Review of Genomics and Human Genetics 2:177-211 (2001).  |
|   | CG        | Rosengart, T., et al., "Six-month assessment of a phase I trial of angiogenic gene therapy for the treatment of coronary artery disease using direct intramyocardial administration of an adenovirus vector expressing the VEGF121 cDNA," Annals of Surgery 230(4):466-470; discussion 470-472 (1999). |
| /D.S./  | CH        | Rubanyi et al., "The future of human gene therapy," Molecular Aspects of Medicine 22:113-142 (2001).   |

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| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
|---|-----------|--|
| Examiner Initial  | Desig. ID | Document   |
| /D.S./  | CI        | Schaffer, D., "Genetic approaches to tissue repair," Annals of the New York Academy of Sciences 961:68-70 (2002).  |
| ↓   | CJ        | Spencer, B., et al., "Herpes simplex virus-mediated gene delivery to the rodent visual system," Investigative Ophthalmology & Visual Science 41(6):1392-1401 (2000).   |
|   | CK        | Sugaya et al., "Stem cell strategies for neuroreplacement therapy in Alzheimer's disease," Medical Hypotheses 57(6):697-700 (2001).  |
|   | CL        | Wahl et al., "Improved Radioimaging and Tumor localization with Monoclonal F(ab') <sub>2</sub> ," Journal of Nuclear Medicine 24:316-325 (1983).   |
|   | CM        | Wedderburn et al., "Autologous stem cell transplantation for paediatric-onset polyarteritis nodosa: changes in autoimmune phenotype in the context of reduced diversity of the T- and B-cell repertoires, and evidence for reversion from the CD45RO <sup>+</sup> to RA <sup>+</sup> phenotype," Rheumatology 40:1299-1307 (2001). |
|   | CN        | Willenborg, D., "Cytokines and murine autoimmune encephalomyelitis: inhibition or enhancement of disease with antibodies to select cytokines, or by delivery of exogenous cytokines using a recombinant vaccinia virus system," Scandinavian Journal of Immunology 41(1):31-41 (1995).   |
| /D.S./  | CO        | Yang, W., et al., "sFlt-1 gene-transfected fibroblasts: a wound-specific gene therapy inhibits local cancer recurrence," Cancer Research 61(21):7840-7845 (2001).  |

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| Examiner Signature<br><br>/Daniel M Sullivan/  | Date Considered<br>01/08/2008 |
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| Substitute Form PTO-1449 (Modified)   |           |                 |                  | US Department of Commerce Patent and Trademark Office |       | Attorney's Docket No.<br>17248-004US1/4804US |                            | Application No.<br>10/516,785 |  |
|---|-----------|-----------------|------------------|---|-------|--|----------------------------|-------------------------------|--|
| <b>List of Patents and Publications for Applicant's Information Disclosure Statement</b><br>(37 CFR §1.98(b)) |           |                 |                  | Applicant<br>Aladar A. Szalay et al.                  |       |  |                            |                               |  |
|   |           |                 |                  | Filing Date<br>June 27, 2005                          |       |  |                            | Group Art Unit<br>1636        |  |
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Patentee  | Class | Subclass                                     | Filing Date If Appropriate |                               |  |
| /D.S./  | AA        | 2002/0054865    | 05/09/02         | Fujimori et al.                                       | 424   | 98.21  | 03/26/01                   |                               |  |
|   | AB        | 2003/0031628    | 02/13/03         | Zhao et al.   | 424   | 96   | 07/09/02                   |                               |  |
|   | AC        | 2003/0044384    | 03/06/03         | Roberts et al.  | 424   | 98.2   | 01/15/02                   |                               |  |
|   | AD        | 2003/0161788    | 08/28/03         | Zhao et al.   | 424   | 96   | 12/31/02                   |                               |  |
|   | AE        | 2003/0165477    | 09/04/03         | Balloul et al.  | 424   | 98.21  | 04/12/01                   |                               |  |
|   | AF        | 2004/0076622    | 04/22/04         | Studený et al.  | 424   | 98.21  | 02/28/03                   |                               |  |
|   | AG        | 2006/0051370    | 03/09/06         | Szalay et al.   | 424   | 199.1  | 09/27/05                   |                               |  |
|   | AH        | 5,650,135       | 07/22/97         | Contag et al.   | 424   | 91   | 07/01/94                   |                               |  |
|   | AI        | 6,007,806       | 12/28/99         | Lathe et al.  | 424   | 98.2   | 12/12/97                   |                               |  |
|   | AJ        | 6,099,848       | 08/08/00         | Frankel et al.  | 424   | 246.1  | 11/18/97                   |                               |  |
|   | AK        | 6,232,523       | 05/15/01         | Tan et al.  | 800   | 10   | 04/28/97                   |                               |  |
|   | AL        | 6,235,967       | 05/22/01         | Tan et al.  | 800   | 10   | 03/27/98                   |                               |  |
|   | AM        | 6,235,968       | 05/22/01         | Tan et al.  | 800   | 10   | 04/28/98                   |                               |  |
|   | AN        | 6,251,384       | 06/26/01         | Tan et al.  | 424   | 98.21  | 01/07/99                   |                               |  |
|   | AO        | 6,416,754       | 07/09/02         | Brown et al.  | 424   | 98.21  | 07/23/96                   |                               |  |
|   | AP        | 6,589,531       | 07/08/03         | Andino-Pavlovsky et al.                               | 424   | 199.1  | 09/01/00                   |                               |  |
|   | AQ        | 6,627,190       | 09/30/03         | Wold et al.   | 424   | 98.2   | 09/19/01                   |                               |  |
|   | AR        | 6,649,143       | 11/18/03         | Contag et al.   | 424   | 91   | 01/19/99                   |                               |  |
|   | AS        | 6,649,159       | 11/18/03         | Yang et al.   | 424   | 98.21  | 03/19/01                   |                               |  |
|   | AT        | 6,652,849       | 11/25/00         | Brown et al.  | 424   | 98.2   | 05/17/02                   |                               |  |
|   | AU        | 6,759,038       | 06/06/04         | Tan et al.  | 424   | 98.21  | 05/29/01                   |                               |  |
| /D.S./  | AV        | 6,984,374       | 01/10/06         | Szalay et al.   | 123   | 435  | 01/30/03                   |                               |  |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
| /D.S./  | AW        | 0 861 093       | 09/28/98         | EP                       | X     |          |             |    |
|   | AX        | 1 146 125       | 10/17/01         | EP                       |       |          |             |    |
|   | AY        | 1 254 250       | 03/23/05         | EP                       |       |          |             |    |
| /D.S./  | AZ        | 2002097144      | 04/02/02         | JP                       |       |          |             | X+ |

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| Foreign Patent Documents or Published Foreign Patent Applications   |              |  |                     |  |       |                               |             |    |
| Examiner<br>Initial   | Desig.<br>ID | Document<br>Number   | Publication<br>Date | Country or<br>Patent Office                  | Class | Subclass                      | Translation |    |
|   |              |  |                     |  |       |                               | Yes         | No |
| /D.S./  | BA           | 55035004   | 03/11/80            | JP   |       |                               |             | X* |
|   | BB           | 01/12234   | 02/22/01            | PCT  |       |                               |             |    |
|   | BC           | 01/20989   | 03/29/01            | PCT  |       |                               |             |    |
|   | BD           | 01/55444   | 08/02/01            | PCT  |       |                               |             |    |
|   | BE           | 03/006069  | 01/23/03            | PCT  |       |                               |             |    |
|   | BF           | 03/092600  | 11/13/03            | PCT  |       |                               |             |    |
|   | BG           | 03/057007  | 07/17/03            | PCT  |       |                               |             |    |
|   | BH           | 03/102169  | 12/11/03            | PCT  |       |                               |             |    |
|   | BI           | 2004/044175  | 05/27/04            | PCT  |       |                               |             |    |
|   | BJ           | 2005/047458  | 05/26/05            | PCT  |       |                               |             |    |
|   | BK           | 2005/057488  | 06/23/05            | PCT  |       |                               |             |    |
|   | BL           | 2005/072622  | 08/11/05            | PCT  |       |                               |             |    |
| /D.S./  | BM           | 97/18841   | 05/29/97            | PCT  |       |                               |             |    |

X+ = An English language equivalent is provided

X\* = An English language Derwent abstract is provided

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|---|--------------|--|
| Examiner<br>Initial   | Desig.<br>ID | Document   |
| /D.S./  | BN           | "WHO Collaborating Centre for Orthopoxvirus Diagnosis and Repository for Variola Virus Strains and DNA," VECTOR: Ministry of Public Health and Social Development of Russian Federation, State Research Center of Virology and Biotechnology<br><a href="http://www.vector.nsc.ru/DesktopDefault.aspx?licid=9&amp;tabid=294&amp;tabindex=1">http://www.vector.nsc.ru/DesktopDefault.aspx?licid=9&amp;tabid=294&amp;tabindex=1</a> (accessed on 09/12/05) |
|   | BO           | "A New Way to Kill Cancer: SLU Research Shows Viruses can destroy lung, colon tumors," Science Daily: Your link to the latest research news<br><a href="http://www.sciencedaily.com/releases/2004/05/040517071951.htm">http://www.sciencedaily.com/releases/2004/05/040517071951.htm</a> (accessed on 05/17/04)  |
|   | BP           | Advani et al., "Replication-competent, Nonneuroinvasive Genetically Engineered Herpes Virus Is Highly Effective in the Treatment of Therapy-resistant Experimental Human Tumors," Cancer Research 59: 2055-2058 (1999)   |
|   | BQ           | Altenbrunn et al., "Scintigraphic Tumor Localization in Mice with Radioiodinated Anti- <i>Clostridium</i> Antibodies," Int. J. Nucl. Med. Biol. 8(1): 90-93 (1981)   |
|   | BR           | Bennett et al., "Positron emission tomography imaging for herpes virus infection: Implications for oncolytic viral treatments of cancer," Nature Med 7(7): 859-863 (2001)  |
| /D.S./  | BS           | Berger, F. and S.S. Gambhir, "Recent advances in imaging endogenous or transferred gene expression utilizing radionuclide technologies in living subjects," Breast Cancer Research 3: 28-35 (2001)   |
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| Examiner<br>Initial   | Desig.<br>ID | Document  |  |  |                               |
| /D.S./  | BT           | Blasberg, R.G. and J.G. Tjuvajev, "Herpes simplex virus thymidine kinase as a marker/reporter gene for PET imaging of gene therapy," Q J Nucl Med 43(2): 163-169 (1999)   |  |  |                               |
|   | BU           | Boland et al., "Adenovirus-mediated Transfer of the Thyroid Sodium/Iodide Symporter Gene into Tumors for a Targeted Radiotherapy," Cancer Research 60: 3484-3492 (2000)   |  |  |                               |
|   | BV           | Bonnekoh et al., "Adenoviral-Mediated Herpes Simplex Virus-Thymidine Kinase Gene Transfer <i>in Vivo</i> for Treatment of Experimental Human Melanoma," J. Invest. Dermatol. 106(6): 1163-1168 (1996)   |  |  |                               |
|   | BW           | Brockstedt et al., "Development of Anti-tumor Immunity against a Non-immunogenic Mammary Carcinoma through <i>in Vivo</i> Somatic GM-CSF, IL-2, and HSVtk Combination Gene Therapy," Mol. Ther. 6(5): 627-636 (2002)  |  |  |                               |
|   | BX           | Certified English translation of abstract for Aksac S., "[Antibody formation against Agrobacterium tumefaciens in patients with various cancers]," Turk Hij Tecr Biyol Derg. 34(1-2):48-51 (1974) [Article in Italian].   |  |  |                               |
|   | BY           | Certified English translation of journal article for Al'tshtein [Altshteyn] et al., "[Isolation of a recombinant vaccinia virus based on the LIVP strain inducing the surface antigen of the hepatitis B virus]," Dokl Akad Nauk SSSR. 285(3):696-9 (1985) [Article in Russian].                                  |  |  |                               |
|   | BZ           | Chaudhuri et al., "Light-based imaging of green fluorescent protein-positive ovarian cancer xenografts during therapy," Gynecol. Oncol. 82(3): 581-589 (2001)   |  |  |                               |
|   | CA           | Chen B et al., "Evaluation of Cytokine Toxicity Induced by Vaccinia Virus-mediated IL-2 and IL-2 Antitumor Immunotherapy," Cytokine (2001) 15(61):305-314.  |  |  |                               |
|   | CB           | Derwent English abstract for Japanese Patent Publication JP 55035004, published February 3, 1987, entitled, "Cellular immuno-potentiator - contg. Vaccinia attenuated virus showing no infectivity to man or rabbit and has lost humoral immunity," Derwent Accession Number: 2512008                             |  |  |                               |
|   | CC           | Fabricius et al., "Quantitative investigations into the elimination of <i>in vitro</i> -obtained spores of the non-pathogenic <i>Clostridium butyricum</i> strain CNRZ 528, and their persistence in organs of different species following intravenous spore administration," Res. Microbiol. 144: 741-753 (1993) |  |  |                               |
|   | CD           | Francis et al., "Monitoring bioluminescent <i>staphylococcus aureus</i> infections in living mice using a novel <i>lux</i> ABCDE construct," Infection and Immunity 68(6): 3594-3600 (2000)   |  |  |                               |
|   | CE           | Gambhir et al., "Imaging transgene expression with radionuclide imaging technologies," Neoplasia 2(1-2): 118-138 (2000)   |  |  |                               |
|   | CF           | Gnant et al., "Regional <i>Versus</i> Systemic Delivery of Recombinant Vaccinia Virus as Suicide Gene Therapy for Murine Liver Metastases," Annals of Surgery 230(3): 352-361 (1999)  |  |  |                               |
|   | CG           | Gnant et al., "Sensitization of tumor necrosis factor $\alpha$ -resistant human melanoma by tumor-specific <i>in vivo</i> transfer of the gene encoding endothelial monocyte-activating polypeptide II using recombinant vaccinia virus," Cancer Research 59: 4668-4674 (1999)                                    |  |  |                               |
|   | CH           | Hamblin et al., "Rapid control of wound infections by targeted photodynamic therapy monitored by <i>in vivo</i> bioluminescence imaging," Photochemistry and Photobiology 75(1): 51-57 (2002)   |  |  |                               |
|   | CI           | Hansen et al., "Assessment of GFP fluorescence in cells of <i>Streptococcus gordonii</i> under conditions of low pH and low oxygen concentration," Microbiology 147: 1383-1391 (2001)   |  |  |                               |
|   | CJ           | Hasegawa et al., " <i>In vivo</i> tumor delivery of the green fluorescent protein gene to report future occurrence of metastasis," Cancer Gene Therapy 7: 1336-1340 (2000)  |  |  |                               |
| /D.S./  | CK           | Hatta, M., "Antitumor mechanisms of <i>Eubacterium lentum</i> and its components," Asian Pacific Journal of Allergy and Immunology 13: 129-137 (1995)   |  |  |                               |

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| Substitute Form PTO-1449<br>(Modified)  |              | U.S. Department of Commerce<br>Patent and Trademark Office  |  | Attorney's Docket No.<br>17248-004US1/4804US | Application No.<br>10/516,785 |
| List of Patents and Publications for Applicant's<br>Information Disclosure Statement<br><br>(37 CFR §1.98(b)) |              |   |  | Applicant<br>Aladar A. Szalay et al.         |                               |
|   |              |   |  | Filing Date<br>June 27, 2005                 | Group Art Unit<br>1636        |
| Other Documents (include Author, Title, Date, and Place of Publication)                                       |              |   |  |  |                               |
| Examiner<br>Initial   | Desig.<br>ID | Document  |  |  |                               |
| /D.S./  | CL           | Hiller et al., "Characterization of Intracellular and Extracellular Vaccinia Virus Variants: N <sub>1</sub> -Isonicotinoyl-N <sub>2</sub> -3-Methyl-4-Chlorobenzoylhydrazine Interferes with Cytoplasmic Virus Dissemination and Release," <i>Journal of Virology</i> 39(3): 903-913 (1981)     |  |  |                               |
|   | CM           | Iano et al., "Expression of TGF- $\beta$ in attenuated <i>Salmonella typhimurium</i> : oral administration leads to the reduction of inflammation, IL-2 and IFN- $\gamma$ , but enhancement of IL-10, in carrageenin-induced oedema in mice," <i>Immunology</i> 84:8-15 (1995)                  |  |  |                               |
|   | CN           | Jacobs et al., "Positron Emission Tomography-based Imaging of Transgene Expression Mediated by Replication-conditional, Oncolytic Herpes Simplex Virus Type I Mutant Vectors <i>in Vivo</i> ," <i>Cancer Research</i> 61: 2983-2995 (2001)  |  |  |                               |
|   | CO           | Jain, R.K. and N.S. Forbes, "Can engineered bacteria help control cancer," <i>Proc. Natl. Acad. Sci. USA</i> 98(26): 14748-14750 (2001)   |  |  |                               |
|   | CP           | Joklik, W.K., "The Purification of Four Strains of Poxviruses," <i>Virology</i> 18:9-18 (1962)  |  |  |                               |
|   | CQ           | Kaplitt et al., "Mutant herpes simplex virus induced regression of tumors growing in immunocompetent rats," <i>J. Neurooncol</i> 19(2): 137-147 (1994)  |  |  |                               |
|   | CR           | Kim, D.H. and F. McCormick, "Replicating viruses as selective cancer therapeutics," <i>Mol Med Today</i> 2(12): 519-527 (1996)  |  |  |                               |
|   | CS           | Kutinova et al., "Search for optimal parent for recombinant vaccinia virus vaccines. Study of three vaccinia virus vaccinal strains and several virus lines derived from them," <i>Vaccine</i> 13(5): 487-493 (1995)  |  |  |                               |
|   | CT           | Lattime et al., "In Situ Cytokine Gene Transfection Using Vaccinia Virus Vectors," <i>Semin Oncol</i> 23(1): 88-100 (1996)  |  |  |                               |
|   | CU           | Mackenzie et al., "Human mesenchymal stem cells persist, demonstrate site-specific multipotential differentiation, and are present in sites of wound healing and tissue regeneration after transplantation into fetal sheep," <i>Blood Cells, Molecules, and Diseases</i> 27(3): 601-604 (2001) |  |  |                               |
|   | CV           | McCart et al., "Oncolytic Vaccinia Virus Expressing the Human Somatostatin Receptor SSTR2: Molecular Imaging after Systemic Delivery Using <sup>111</sup> In-Pentetreotide," <i>Molecular Therapy</i> 10(3): 553-61 (2004)  |  |  |                               |
|   | CW           | Meyer et al., "Mapping of deletions in the genome of the highly attenuated vaccinia virus MVA and their influence on virulence," <i>Journal of General Virology</i> 72(Pt 5): 1031-1038 (1991)  |  |  |                               |
|   | CX           | Morinaga et al., "Antitumor activity and its properties of <i>Eubacterium lentum</i> ," <i>Jpn. J. Cancer Res. (Gann)</i> 79: 117-124 (1988)  |  |  |                               |
|   | CY           | Muravlev et al., "Protective activity of vaccinia virus envelope proteins isolated with the use of nonionic detergents," <i>Voprosy Virusologii</i> 40(4): 154-8 (1995) [article in Russian, English summary on last page of article]   |  |  |                               |
|   | CZ           | Netesova et al., "Structural and functional studies of the <i>HindIII</i> -I-Genome Fragment of Vaccinia virus Strain L-IVP," <i>Mol Biol (Mosk.) Nov-Dec</i> ; 25(6): 1526-32 (1991) [article in Russian, English summary on last page of article]   |  |  |                               |
| ↓   | DA           | Norton et al., "Expression of Secreted Platelet-Derived Growth Factor-B by Recombinant Nonreplicating and Noncytopathic Vaccinia Virus," <i>Annals of Surgery</i> 224(4):555-562 (1996)   |  |  |                               |
| /D.S./  | DB           | Overwijk et al., "Vaccination with a recombinant vaccinia virus encoding a 'self' antigen induces autoimmune vitiligo and tumor cell destruction in mice: Requirement for CD4 <sup>+</sup> T lymphocytes," <i>Proc. Natl. Acad. Sci. USA</i> 96: 2982-2987 (1999)                               |  |  |                               |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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| Examiner<br>Initial   | Desig.<br>ID | Document   |  |  |                               |
| /D.S./  | DC           | Pak et al., "Cloning of the growth factor gene from vaccinia virus LIVP strain in <i>Escherichia coli</i> cells," Mol Gen Mikrobiol Virusol Sept-Oct; (9-10):19-21 (1992) ) [article in Russian, English summary on last page of article]              |  |  |                               |
|   | DD           | Pan et al., "Regression of Established B16F10 Melanoma with a Recombinant <i>Listeria monocytogenes</i> Vaccine," Cancer Research 59:5264-5269 (1999)  |  |  |                               |
|   | DE           | Peplinski et al., "In vivo gene therapy of a murine pancreas tumor with recombinant vaccinia virus encoding human interleukin-1beta," Surgery 118:185-191 (1995)   |  |  |                               |
|   | DF           | Phillips-Jones, M.K., "Bioluminescence ( <i>lux</i> ) expression in the anaerobe <i>Clostridium perfringens</i> ," FEMS Microbiology Letters 106: 265-270 (1993)   |  |  |                               |
|   | DG           | Phillips-Jones, M.K., "Use of <i>lux</i> reporter system for monitoring rapid changes in $\alpha$ -toxin gene expression in <i>Clostridium perfringens</i> during growth," FEMS Microbiology Letters 188: 29-33 (2000)                                 |  |  |                               |
|   | DH           | Poptani et al., "Monitoring thymidine kinase and ganciclovir-induced changes in rat malignant glioma <i>in vivo</i> by nuclear magnetic resonance imaging," Cancer Gene Ther 5(2): 101-109 (1998)  |  |  |                               |
|   | DI           | Prikhod'ko, G. G. et al., "Cloning, Sequencing and Translation Analysis of the Vaccinia Virus LIVP HindIII N Fragment," Genetika 27(6): 955-963 (1991) ) [article in Russian, English summary on last page of article]                                 |  |  |                               |
|   | DJ           | Prikhod'ko, G. G. and IV Babkin, "5'-variable genome sequence of vaccinia virus LIVP. Possible role of short direct repeats in formation of DNA deletions," Genetika 27(1): 13-26 (1991) [article in Russian, English summary on last page of article] |  |  |                               |
|   | DK           | Qazi et al., "Real-time monitoring of intracellular <i>Staphylococcus aureus</i> replication," J Bacteriol. 186(4): 1065-1077 (2004)   |  |  |                               |
|   | DL           | Rocchetta et al., "Validation of a Noninvasive, Real-Time Imaging Technology Using Bioluminescent <i>Escherichia coli</i> in the Neutropenic Mouse Thigh Model of Infection," Antimicrobial Agents and Chemotherapy 45(1): 129-137 (2001)              |  |  |                               |
|   | DM           | Sakamoto et al., "Antitumor effect of normal intestinal microflora on Ehrlich Ascites tumor," Jpn. J. Cancer Res. (Gann) 79: 109-116 (1988)  |  |  |                               |
|   | DN           | Scholl et al., "Recombinant Vaccinia Virus Encoding Human <i>MUC1</i> and <i>IL2</i> as Immunotherapy in Patients with Breast Cancer," J. Immunother 23(5): 570-580 (2000)   |  |  |                               |
|   | DO           | Shchelkunov et al., "The gene encoding the late nonstructural 36K protein of vaccinia virus is essential for virus reproduction," Virus Research 28: 273-283 (1993)  |  |  |                               |
|   | DP           | Shimizu et al., "Antitumor activity of marine bacteria, <i>vibrio anguillarum</i> , in mice," Gann 70: 429-433 (1979)  |  |  |                               |
|   | DQ           | Shimizu et al., "Antitumor activity of 2-keto-3-deoxyoctonate-free lipopolysaccharide of <i>vibrio anguillarum</i> in mice," Gann 74(2): 279-284 (1983)  |  |  |                               |
|   | DR           | Studený et al., "Bone Marrow-derived Mesenchymal Stem Cells as Vehicles for Interferon- $\beta$ Delivery into Tumors," Cancer Research 62: 3603-3608 (2002)  |  |  |                               |
|   | DS           | Thorne, S. H. and D. H. Kirn, "Future directions for the field of oncolytic virotherapy: a perspective on the use of vaccinia virus," Expert Opin Biol Ther 4(8): 1307-1321 (2004)   |  |  |                               |
|   | DT           | Tjuvajev et al., "Noninvasive Imaging of Herpes Virus Thymidine Kinase Gene Therapy and Expression: A Potential Method for Monitoring Clinical Gene Therapy," Cancer Res 56(18): 4087-4095 (1996)  |  |  |                               |
|   | DU           | Tjuvajev et al., "Imaging the Expression of Transfected Genes <i>in Vivo</i> ," Cancer Res. 55(24): 6126-6132 (1995)   |  |  |                               |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
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| List of Patents and Publications for Applicant's<br>Information Disclosure Statement<br><br>(37 CFR §1.98(b)) |              |   |  | Applicant<br>Aladar A. Szalay et al.         |                               |
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| Other Documents (include Author, Title, Date, and Place of Publication)                                       |              |   |  |  |                               |
| Examiner<br>Initial   | Desig.<br>ID | Document  |  |  |                               |
| /D.S./  | DV           | Tjuvajev et al., "Imaging Adenoviral-mediated Herpes Virus Thymidine Kinase Gene Transfer and Expression <i>In Vivo</i> ," Cancer Research 59: 5186-5193 (1999)   |  |  |                               |
|   | DW           | Tjuvajev et al., "Imaging Herpes Virus Thymidine Kinase Gene Transfer and Expression by Positron Emission Tomography," Cancer Res. 58(19): 4333-4341 (1998)   |  |  |                               |
|   | DX           | Vogt et al., "Untersuchungen über die Möglichkeit der Tumorlokalisation in vivo auf ser Basis eines szintigrafischer Klostridienstäbchen-Nachweises mit <sup>131</sup> J-markierten Antikörpern und F(ab') <sub>2</sub> -Antikörperfragmenten," Zeitschrift für Experimentelle Chirurgie 12(4): 209-215 (1979) [article in German, English summary on the last page of the article] |  |  |                               |
|   | DY           | Volm et al., "Enhancement of Incorporation of <sup>131</sup> Iododeoxyuridine into Tumors after Application of <i>Clostridium oncolyticum</i> s. <i>butyricum</i> (M 55)," Eur. J. Nucl. Med. 2(2): 117-120 (1977)  |  |  |                               |
|   | DZ           | Xie et al., "Adenovirus-mediated Tissue-targeted Expression of a Caspase-9-based Artificial Death Switch for the Treatment of Prostate Cancer," Cancer Research 61: 6795-6804 (2001)  |  |  |                               |
|   | EA           | Yang et al., "Visualizing gene expression by whole-body fluorescence imaging," PNAS 97(22): 12278-12282 (2000)  |  |  |                               |
|   | EB           | Zhao et al., "Spatial-temporal imaging of bacterial infection and antibiotic response in intact animals," Proceeding of the National Academy of Sciences 98(17): 9814-9818 (2001)   |  |  |                               |
| /D.S./  | EC           | Zinoviev et al., "Identification of the gene encoding vaccinia virus immunodominant protein p35," Gene 147: 209-214 (1994)  |  |  |                               |

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|   |  | Filing Date<br>June 27, 2005                 | Group Art Unit<br>1636        |

**U.S. Patent Documents**

| Examiner<br>Initial | Desig.<br>ID | Document<br>Number | Publication<br>Date | Patentee         | Class | Subclass | Filing Date<br>If Appropriate |
|---------------------|--------------|--------------------|---------------------|------------------|-------|----------|-------------------------------|
|                     | AA           | 2005/0025745       | 02/03/05            | Fujimori, et al. | 424   | 93.2     | 02/23/04                      |

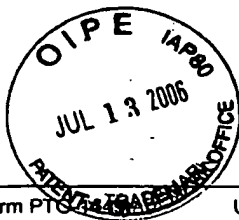
**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner<br>Initial | Desig.<br>ID | Document<br>Number | Publication<br>Date | Country or<br>Patent Office | Class | Subclass | Translation |    |
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|                     |              |                    |                     |                             |       |          | Yes         | No |
|                     |              | none               |                     |                             |       |          |             |    |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner<br>Initial | Desig.<br>ID | Document  |
|---------------------|--------------|---|
| /D.S./              | AB           | Rehemtulla et al., "Rapid and quantitative assessment of cancer treatment response using in vivo bioluminescence imaging," Neoplasia, 2(6):491-495 (2000) |

|   |                               |
|---|-------------------------------|
| Examiner Signature<br>/Daniel M Sullivan/   | Date Considered<br>01/08/2008 |
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Sheet 1 of 1

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|   |  | Filing Date<br>June 27, 2005                 | Group Art Unit<br>1636        |          |       |          |                               |
| <b>U.S. Patent Documents</b>  |  |  |                               |          |       |          |                               |
| Examiner<br>Initial   | Desig.<br>ID   | Document<br>Number                           | Publication<br>Date           | Patentee | Class | Subclass | Filing Date<br>If Appropriate |
|   |  | none   |                               |          |       |          |                               |

| Foreign Patent Documents or Published Foreign Patent Applications |              |                    |                     |                             |       |          |             |    |
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| Examiner<br>Initial   | Desig.<br>ID | Document<br>Number | Publication<br>Date | Country or<br>Patent Office | Class | Subclass | Translation |    |
|   |              |                    |                     |                             |       |          | Yes         | No |
|   |              | none               |                     |                             |       |          |             |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |              |   |
|---|--------------|---|
| Examiner<br>Initial   | Desig.<br>ID | Document  |
| /D.S./  | AA           | Pace, "Strep Throat," JAMA, 284(22):2964 (2000) |

|   |                                   |
|---|-----------------------------------|
| Examiner Signature<br><br>/Daniel M Sullivan/   | Date Considered<br><br>01/08/2008 |
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| Applicant<br><b>Aladar Szalay et al.</b>  |   |                                      |
| Filing Date<br><b>June 27, 2005</b>   |   | Group Art Unit<br><b>1636</b>        |

**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee    | Class          | Subclass      | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|-------------|----------------|---------------|----------------------------|
| /D.S./           | AA        | 6,359,189       | 03/19/2002       | Fleischmann | <del>602</del> | <del>41</del> | 01/14/2000                 |

**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
| /D.S./           | AB        | 1 020 197       | 07/19/2000       | EP                       |       |          |             | X+ |

X+ = An English language equivalent is provided.

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
| /D.S./           | AC        | Cioffi et al. "A novel endothelial cell-based gene therapy platform for the in vivo delivery of apolipoprotein E" <i>Gene Therapy</i> 6:1153-1159 (1999)  |
|                  | AD        | Deng et al. "Engineering Ex Vivo-Expanded Marrow Stromal Cells to Secrete Calcitonin Gene-Related Peptide Using Adenoviral Vector" <i>Stem Cells</i> 22:1279-1291 (2004)  |
|                  | AE        | Kaufman et al., "Insertion of interleukin-2 (IL-2) and interleukin-12 (IL-12) genes into vaccinia virus results in effective anti-tumor responses without toxicity" <i>Vaccine</i> 20:1862-1869 (2002)                                  |
|                  | AF        | Kutinova et al., "Hepatitis B virus proteins expressed by recombinant vaccinia viruses: influence of preS2 sequence on expression surface and nucleocapsid proteins in human diploid cells" <i>Archives of Virology</i> 134:1-15 (1994) |
|                  | AG        | Parrish et al., "Targeting widespread sites of damage in dystrophic muscle: engrafted macrophages as potential shuttles" <i>Gene Therapy</i> , 3:13-20 (1996)   |
|                  | AH        | Perkus et al. "Recombinant Vaccinia Virus: Immunization Against Multiple Pathogens" <i>Science</i> 229(4717):981-984 (1985)   |
|                  | AI        | Pfleiderer et al., "A novel vaccinia virus expression system allowing construction of recombinants without the need for selection markers, plasmids and bacterial hosts" <i>J. General Virology</i> 76:2957-2962 (1995)                 |
| ↓                | AJ        | Torrente et al. "Intraarterial injection of muscle-derived CD34+Sca-1+ stem cells restores dystrophin in mdx mice" <i>J. Cell Biol.</i> 152(2):335-348 (2001)   |
| /D.S./           | AK        | Van Damme et al. "Bone Marrow Stromal Cells as Targets for Gene Therapy" <i>Curr. Gene Ther.</i> 2:195-209 (2002)   |

|   |                               |
|---|-------------------------------|
| Examiner Signature<br>/Daniel M Sullivan/   | Date Considered<br>01/08/2008 |
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|  | Applicant<br>Aladar Szalay et al.                          |  |                               |
|  | Filing Date<br>June 27, 2005                               | Group Art Unit<br>1636                       |                               |

**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee      | Class          | Subclass         | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|---------------|----------------|------------------|----------------------------|
| /D.S./           | AA        | 2005/0063993    | 03/24/05         | Schlom et al. | <del>424</del> | <del>199.1</del> | 01/14/03                   |
| /D.S./           | AB        | 6,045,802       | 04/04/00         | Schlom et al. | <del>424</del> | <del>199.1</del> | 06/07/95                   |

**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
| /D.S./           | AC        | 01/24637        | 4/12/01          | PCT                      |       |          |             |    |
| /D.S./           | AD        | 95/31105        | 11/23/95         | PCT                      |       |          |             |    |
| /D.S./           | AE        | 96/11279        | 4/18/96          | PCT                      |       |          |             |    |

**Other Documents (include Author, Title, Date, and Place of Publication)**

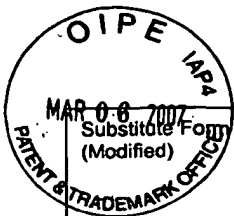
| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
| /D.S./           | AF        | Chaloupka, I., et al., "Comparative Analysis of Six European Influenza Vaccines," <i>European Journal of Microbiology and Infectious Disease</i> , 15(2):121-127, (1996).   |
|                  | AG        | Crystal, R.G., "Transfer of Genes to Humans: Early Lessons and Obstacles to Success," <i>Science</i> , 270:404-410, (1995).   |
|                  | AH        | Davis, C.G., "The Many Faces of Epidermal Growth Factor Repeats," <i>The New Biologist</i> , 2(5):410-419, (1990).  |
|                  | AI        | Eck et al., "Gene-Based Therapy," <i>The Pharmacological Basis of Therapeutics</i> , Ch. 1, Eds., Goodman and Gilman, Macmillan Publishing Co., New York, N.Y., pp. 77-101, (1996).   |
|                  | AJ        | Gorecki, D., "Prospects and problems of gene therapy: an update," <i>Expert Opinions in Emerging Drugs</i> , 6(2):187-198, (2001).  |
|                  | AK        | Kaufman, H., et al., "A recombinant vaccinia virus expressing human carcinoembryonic antigen CEA", <i>International Journal of Cancer</i> , 48(6):900-907, (1991).  |
|                  | AL        | Kaye F.J., et al., "A single amino acid substitution results in a retinoblastoma protein defective in phosphorylation and oncoprotein binding" <i>Proceedings of the National Academy of Science of the United States of America</i> , 87:6922-6926, (1990).            |
|                  | AM        | Mutschler, E., et al., "10. Chemotherapy of Malignant Tumors," <i>Drug Actions: Basic Principles and Therapeutic Aspects</i> , Medpharm CRC Press, Stuttgart, Germany, pp. 595-612, (1995).   |
|                  | AN        | Rudinger, J., "Characteristics of the amino acids as components of a peptide hormone sequence", <i>Peptide Hormones</i> , Ed., J.A. Parsons, University Park Press, Baltimore, p. 1-7, (1976).  |
|                  | AO        | Sivanandham, M. et al., "Therapeutic effect of a vaccinia colon oncolysate prepared with interleukin-2-gene encoded vaccinia virus studied in a syngeneic CC-36 murine colon hepatic metastasis model," <i>Cancer Immunological Immunotherapy</i> , 38:259-264, (1994). |
|                  | AP        | Skolnick, J., et al., "From genes to protein structure and function: novel applications of computational approaches in the genomic era," <i>Trends in Biotechnology</i> , 18:34-39, (2000).   |
| /D.S./           | AQ        | Verma, I, et al., "Gene therapy- promises, problems and prospects," <i>Nature</i> , 389:239-242, (1997).  |

|   |                 |
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| Examiner Signature  | Date Considered |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |



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|---|--------------|--|--|--|-------------------------------|
| Substitute Form PTO-1449<br>(Modified)  |              | U.S. Department of Commerce<br>Patent and Trademark Office   |  | Attorney's Docket No.<br>17248-004US1/4804US | Application No.<br>10/516,785 |
| List of Patents and Publications for Applicant's<br>Information Disclosure Statement<br><br>(37 CFR §1.98(b)) |              |  |  | Applicant<br>Aladar Szalay et al.            |                               |
|   |              |  |  | Filing Date<br>June 27, 2005                 | Group Art Unit<br>1636        |
| Other Documents (include Author, Title, Date, and Place of Publication)                                       |              |  |  |  |                               |
| Examiner<br>Initial   | Desig.<br>ID | Document   |  |  |                               |
| /D.S./  | AR           | Williams, R. Sanders, "Southwestern Internal Medicine Conference: Prospects for Gene Therapy of Ischemic Heart Disease," The American Journal of the Medical Sciences, 306(2):129-136, (1993). |  |  |                               |

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|---|-----------------------------------|
| Examiner Signature<br><br>/Daniel M Sullivan/   | Date Considered<br><br>01/08/2008 |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                   |

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
17248-004US1/4804USApplication No.  
10/516,785**List of Patents and Publications for Applicant's  
Information Disclosure Statement**

(37 CFR §1.98(b))

Applicant  
Aladar Szalay et al.Filing Date  
June 27, 2005Group Art Unit  
1636**U.S. Patent Documents**

| Examiner<br>Initial | Desig.<br>ID | Document<br>Number | Publication<br>Date | Patentee | Class | Subclass | Filing Date<br>If Appropriate |
|---------------------|--------------|--------------------|---------------------|----------|-------|----------|-------------------------------|
|                     |              | none               |                     |          |       |          |                               |

**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner<br>Initial | Desig.<br>ID | Document<br>Number | Publication<br>Date | Country or<br>Patent Office | Class | Subclass | Translation |    |
|---------------------|--------------|--------------------|---------------------|-----------------------------|-------|----------|-------------|----|
|                     |              |                    |                     |                             |       |          | Yes         | No |
|                     |              | none               |                     |                             |       |          |             |    |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner<br>Initial | Desig.<br>ID | Document  |
|---------------------|--------------|---|
| /D.S./              | AA           | Furlan, R., et al., "Central nervous system gene therapy with interleukin-4 inhibits progression of ongoing relapsing-remitting autoimmune encephalomyelitis in Biozzi AB/H mice," <i>Gene Therapy</i> , 8:13-19, (2001).               |
| ↓                   | AB           | Hogaboam, C.M., et al., "Therapeutic effects of interleukin-4 gene transfer in experimental inflammatory bowel disease," <i>Journal of Clinical Investigation</i> , 100(11):2766-2776, (1997).  |
|                     | AC           | Hogervorst, E.J., et al., "Modulation of experimental autoimmunity: treatment of adjuvant arthritis by immunization with a recombinant vaccinia virus," <i>Infection and Immunity</i> , 59(6):2029-2035, (1991).                        |
|                     | AD           | Lopez-Guerrero, J.A., et al., "Modulation of adjuvant arthritis in lewis rats by recombinant vaccinia virus expressing the human 60-kilodalton heat shock protein," <i>Infection and Immunity</i> , 61(10):4225-4231, (1993).           |
|                     | AE           | Macdonald, T., "Viral vectors expressing immunoregulatory cytokines to treat inflammatory bowel disease," <i>Gut</i> , 42:460-461, (1998).  |
| ↓                   | AF           | Ruffini, F., et al., "Fibroblast growth factor-II gene therapy reverts the clinical course and the pathological signs of chronic experimental autoimmune encephalomyelitis in C57BL/6 mice," <i>Gene Therapy</i> , 8:1207-1213, (2001). |
| /D.S./              | AG           | Wirtz, S., et al., "Efficient gene delivery to the inflamed colon by local administration of recombinant adenoviruses with normal or modified fibre structure," <i>Gut</i> , 44:800-807, (1999).  |

|   |                               |
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| Examiner Signature<br>/Daniel M Sullivan/   | Date Considered<br>01/08/2008 |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                               |

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Sheet 1 of 9

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U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.  
17248-004US1 /  
4804US

Application No.  
10/516,785

**List of Patents and Publications for Applicant's  
Information Disclosure Statement**

(37 CFR §1.98(b))

Applicant  
Szalay et al.

Filing Date  
December 3, 2004

Group Art Unit  
Unassigned 1636

**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee             | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|----------------------|-------|----------|----------------------------|
| /D.S./           | AA        | 2003/0009015    | 01/09/03         | Ulrich et al.        | 536   | 28.1     | 06/25/97                   |
|                  | AB        | 2003/0031681    | 02/13/03         | Mc Cart et al.       | 424   | 186.1    | 11/13/01                   |
|                  | AC        | 2003/0086906    | 05/08/03         | Mastrangelo et al.   | 424   | 93.2     | 11/04/02                   |
|                  | AD        | 2003/0165465    | 09/04/03         | Roberts et al.       | 424   | 93.2     | 06/13/02                   |
|                  | AE        | 2003/0198627    | 10/23/03         | Arts et al.          | 424   | 93.21    | 08/23/02                   |
|                  | AF        | 2003/0228330    | 12/11/03         | Falkner et al.       | 424   | 232.1    | 03/14/03                   |
|                  | AG        | 4,722,848       | 02/02/88         | Paoletti et al.      | 424   | 199.1    | 06/19/84                   |
|                  | AH        | 5,693,533       | 12/02/97         | Raney et al.         | 435   | 366      | 12/07/94                   |
|                  | AI        | 5,718,902       | 02/17/98         | Yilma et al.         | 424   | 211.1    | 06/17/91                   |
|                  | AJ        | 5,830,702       | 11/03/98         | Portnoy et al.       | 435   | 69.3     | 12/30/94                   |
|                  | AK        | 6,093,700       | 07/25/00         | Mastrangelo et al.   | 514   | 44       | 02/20/97                   |
|                  | AL        | 6,190,657       | 02/20/01         | Pawelek et al.       | 424   | 93.1     | 06/04/96                   |
|                  | AM        | 6,428,968       | 08/06/02         | Molnar-Kimber et al. | 435   | 723      | 11/08/99                   |
|                  | AN        | 6,455,673       | 09/24/02         | Collier              | 530   | 350      | 02/16/99                   |
|                  | AO        | 6,548,068       | 04/15/03         | Schlom et al.        | 424   | 199.1    | 01/07/00                   |
|                  | AP        | 6,596,279       | 07/22/03         | Paoletti et al.      | 424   | 199.1    | 08/14/98                   |
|                  | AQ        | 6,627,160       | 09/03/03         | Wold et al.          | 424   | 93.2     | 09/19/01                   |
| /D.S./           | AR        | 6,685,935       | 02/03/04         | Pawelek et al.       | 424   | 93.2     | 07/21/99                   |

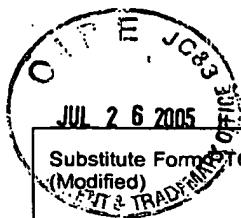
**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
| /D.S./           | AS        | 0 037 441       | 10/14/81         | EP, A1                   | X     | X        |             |    |
|                  | AT        | 0 037 441       | 05/09/84         | EP, B1                   |       |          |             |    |
|                  | AU        | 03/045153       | 06/05/03         | PCT A1                   |       |          |             |    |
|                  | AV        | 03/102168       | 12/11/03         | PCT A1                   |       |          |             |    |
|                  | AW        | 1 281 777       | 02/05/03         | EP A1                    |       |          |             |    |
| /D.S./           | AX        | 99/32646        | 07/01/99         | PCT                      |       |          |             |    |

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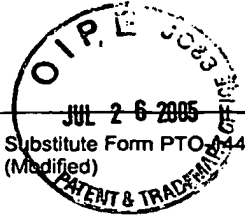
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| <b>Substitute Form PTO-1449</b><br>(Modified)<br><b>U.S. Department of Commerce</b><br><b>Patent and Trademark Office</b> | <b>Attorney's Docket No.</b><br>17248-004US1 /<br>4804US | <b>Application No.</b><br>10/516,785 |
|   | <b>Applicant</b><br>Szalay et al.                        |                                      |
|   | <b>Filing Date</b><br>December 3, 2004                   | <b>Group Art Unit</b><br>Unassigned  |

**List of Patents and Publications for Applicant's Information Disclosure Statement**

(37 CFR §1.98(b))

| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
|---|-----------|--|
| Examiner Initial  | Desig. ID | Document   |
| /D.S./  | AY        | "Generation of Recombinant Vaccinia Viruses," Unit 16.17 in <i>Short Protocols in Molecular Biology 2<sup>nd</sup> edition: a compendium of Methods from Current Protocols in Molecular Biology</i> , Green Publishing and Wiley-Interscience Supplement 15:16.71-16.82 (1992) |
|   | AZ        | Adonai <i>et al.</i> , "Ex vivo cell labeling with <sup>64</sup> Cu-pyruvaldehyde-bis(N <sup>4</sup> -methylthiosemicarbazone) for imaging cell trafficking in mice with positron-emission tomography," <i>Proc. Natl. Acad. Sci. USA</i> 99: 3030-3035 (2002)                 |
|   | BA        | Altschul <i>et al.</i> , "Basic local alignment search tool," <i>J Molec Biol</i> 215:403-410 (1990)   |
|   | BB        | Ando, N. and M. Matumoto, "Unmasking of growth of dermovaccinia strain dairen I in L cells by acid treatment of cells after virus adsorption," <i>Japan. J. Microbiol.</i> 14(3): 181-186 (1979)   |
|   | BC        | Antoine <i>et al.</i> , "The complete genomic sequence of the modified vaccinia Ankara strain: comparison with other orthopoxviruses," <i>Virology</i> 244: 365-396 (1998)   |
|   | BD        | ATCC Accession No. 59324   |
|   | BE        | ATCC Accession No. 59325   |
|   | BF        | ATCC Accession Nos. CCL-121  |
|   | BG        | ATCC Accession Nos. CRL-12011  |
|   | BH        | ATCC Accession Nos. CRL-12012  |
|   | BI        | ATCC catalog no. 700294  |
|   | BJ        | ATCC No. CCL-107   |
|   | BK        | ATCC No. CRL-6475  |
|   | BL        | ATCC under Accession number: VR-1549   |
|   | BM        | Barrett <i>et al.</i> , "Yellow Fever Vaccines," <i>Biologicals</i> 25:17-25 (1997)  |
|   | BN        | Bauerschnitz <i>et al.</i> , "Treatment of Ovarian Cancer with a Tropism Modified Oncolytic Adenovirus," <i>Cancer Research</i> 62: 1266-1270 (2002)   |
|   | BO        | Benes <i>et al.</i> , "M13 and pUC vectors with new unique restriction sites for cloning," <i>Gene</i> 130: 151-152 (1993)   |
|   | BP        | Bernards <i>et al.</i> , "Effective tumor immunotherapy directed against an oncogene-encoded product using a vaccinia virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84: 6854-6858 (1987)  |
|   | BQ        | Beshara <i>et al.</i> , "Kinetic analysis of <sup>52</sup> Fe-labelled iron(III) hydroxide-sucrose complex following blous administration using positron emission tomography," <i>Br. J. Haematol.</i> 104: 288-295 (1999)   |
|   | BR        | Beshara <i>et al.</i> , "Pharmacokinetics and red cell utilization of iron(III) hydroxide-sucrose complex in anaemic patients: a study using positron emission tomography," <i>Br. J. Haematol.</i> 104: 296-302 (1999)  |
| /D.S./  | BS        | Bisno <i>et al.</i> , "Streptococcal infections of skin and soft tissues," <i>N. Engl. J. Med.</i> 334(4): 240-245 (1996)  |

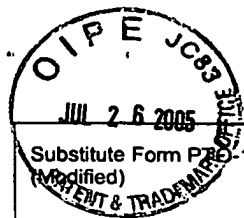
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| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                        |

|    |              | U.S. Department of Commerce<br>Patent and Trademark Office  | Attorney's Docket No.<br>17248-004US1 /<br>4804US | Application No.<br>10/516,785 |
|--|--------------|---|---|-------------------------------|
| <b>List of Patents and Publications for Applicant's<br/>         Information Disclosure Statement</b><br><br>(37 CFR §1.98(b)) |              |   | Applicant<br>Szalay et al.                        |                               |
|  |              |   | Filing Date<br>December 3, 2004                   | Group Art Unit<br>Unassigned  |
| <b>Other Documents (include Author, Title, Date, and Place of Publication)</b>   |              |   |   |                               |
| Examiner<br>Initial  | Desig.<br>ID | Document  |   |                               |
| /D.S./   | BT           | Blakemore, "Magnetotactic Bacteria," Annu. Rev. Microbiol. 36: 217-238 (1982)   |   |                               |
|  | BU           | Broder, C.C. and P.L. Earl, "Recombinant Vaccinia Viruses," Mol. Biotechnol. 13: 223-245 (1999)   |   |                               |
|  | BV           | Brouqui, P. and D. Raoult, "Endocarditis due to rare and fastidious bacteria," Clinical Microbiology Reviews 14(1): 177-207 (2001)  |   |                               |
|  | BW           | Calonder <i>et al.</i> , "Kinetic modeling of $^{52}\text{Fe}/^{52\text{m}}\text{Mn}$ -Citrate at the Blood-Brain Barrier by Positron Emission Tomography," J. Neurochem. 73: 2047-2055 (1999)                |   |                               |
|  | BX           | Carrillo and Lipman <i>et al.</i> , "The Multiple Sequence Alignment Problem in Biology," SIAM J Applied Math 48:1073-1082 (1988)   |   |                               |
|  | BY           | Chakrabarti <i>et al.</i> , "Vaccinia virus expression vector: coexpression of $\beta$ -galactosidase provides visual screening of recombinant virus plaques," Mol. Cell Biol. 5:3403-3409 (1985)             |   |                               |
|  | BZ           | Chakrabarti <i>et al.</i> , "Compact, Synthetic, Vaccinia Virus Early/Late Promoter for Protein Expression," BioTechniques 23(6): 1094-1097 (1997)  |   |                               |
|  | CA           | Chamberlain <i>et al.</i> , "Costimulation enhances the active immunotherapy effect of recombinant anticancer vaccines," Cancer Res. 56: 2832-2836 (1996)   |   |                               |
|  | CB           | Child <i>et al.</i> , "Insertional inactivation of the large subunit of ribonucleotide reductase encoded by vaccinia virus is associated with reduced virulence <i>in vivo</i> ," Virology 174:625-629 (1990) |   |                               |
|  | CC           | Colinas <i>et al.</i> , "A DNA ligase gene in the copenhagen strain of vaccinia virus is nonessential for viral replication and recombination," Virology 179: 267-275 (1990)                                  |   |                               |
|  | CD           | Cusumano <i>et al.</i> , "Synergic activities of streptococcal pyrogenic exotoxin A and lipoteichoic acid in cytokine induction," Microbiologica 23(1): 37-45 (2000)  |   |                               |
|  | CE           | Davison, A. J. and B. Moss, "Structure of Vaccinia Virus Early Promoters," J. Mol. Biol. 210: 749-769 (1989)  |   |                               |
|  | CF           | Davison <i>et al.</i> , "New vaccinia virus recombination plasmids incorporating a synthetic late promoter for high level expression of foreign proteins," Nucleic Acids Research 18: 4285-4286 (1990)        |   |                               |
|  | CG           | Devereux, J., <i>et al.</i> , "A comprehensive set of sequence analysis programs for the VAX," Nucleic Acids Research 12(1): 387-95 (1984)  |   |                               |
|  | CH           | Earl <i>et al.</i> , "T-Lymphocyte Priming and Protection Against Friend Leukemia by Vaccinia-Retrovirus <i>env</i> Gene Recombinant," Science 234: 728-731 (1986)  |   |                               |
|  | CI           | Ebert <i>et al.</i> , "Oncolytic vesicular stomatitis virus for treatment of orthotopic hepatocellular carcinoma in immune-competent rats," Cancer Research 63: 3605-3611 (2003)                              |   |                               |
|  | CJ           | Ebert <i>et al.</i> , "Syncytia induction enhances the oncolytic potential of vesicular stomatitis virus in virotherapy for cancer," Cancer Research 64: 3265-3270 (2004)                                     |   |                               |
|  | CK           | Estin <i>et al.</i> , "Recombinant vaccinia virus vaccine against the human melanoma antigen p97 for use in immunotherapy," Proc. Natl. Acad. Sci. USA 85: 1052-1056 (1988)                                   |   |                               |
|  | CL           | Ferretti <i>et al.</i> , "Complete genome sequence of an M1 strain of <i>Streptococcus pyogenes</i> ," Proc. Natl. Acad. Sci. USA 98(8): 4658-4663 (2001)   |   |                               |
|  | CM           | Flexner <i>et al.</i> , "Successful vaccination with a polyvalent live vector despite existing immunity to an expressed antigen," Nature 355:259-262 (1988)   |   |                               |
| /D.S./   | CN           | Flexner <i>et al.</i> , "Characterization of Human Immunodeficiency Virus <i>gag/pol</i> Gene Products Expressed by Recombinant Vaccinia Viruses," Virology 166: 339-349 (1988)                               |   |                               |

Examiner Signature

Date Considered

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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
17248-004US1 /  
4804USApplication No.  
10/516,785**List of Patents and Publications for Applicant's  
Information Disclosure Statement**

(37 CFR §1.98(b))

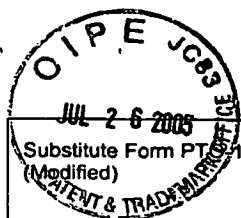
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Szalay et al.Filing Date  
December 3, 2004Group Art Unit  
Unassigned**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
| /D.S./           | CO        | Giedlin et al., "Vesicular stomatitis virus: an exciting new therapeutic oncolytic virus candidate for cancer or just another chapter from <i>Field's Virology</i> ?" <i>Cancer Cell</i> 4: 241-243 (2003)  |
|                  | CP        | Goebel et al., "The complete DNA sequence of vaccinia virus," <i>Virology</i> 179:247-266 (1990)  |
|                  | CQ        | Goebel et al., "Appendix to 'The complete DNA Sequence of Vaccinia Virus,'" <i>Virology</i> 179: 517-563 (1990)   |
|                  | CR        | Green et al., "Necrotizing Fasciitis," <i>Chest</i> 110(1):219-229 (1996)   |
|                  | CS        | Greinwald et al., "Treatment of lymphangiomas in children: an update of Picibanil (Ok-432) sclerotherapy," <i>Otolaryngol Head Neck Surg</i> 121(4): 381-387 (1999)   |
|                  | CT        | Gribskov et al., "Sigma factors from <i>E. coli</i> , <i>B. subtilis</i> , phage SP01, and phage T4 are homologous proteins," <i>Nucl. Acids Res.</i> 14:6745-6763 (1986)   |
|                  | CU        | Huang et al., "Oncolysis of hepatic metastasis of colorectal cancer by recombinant vesicular stomatitis virus in immune-competent mice," <i>Mol. Ther.</i> 8(3): 434-440 (2003)   |
|                  | CV        | Hurst et al., "A novel model of a metastatic human breast tumour xenograft line," <i>Br. J. Cancer</i> 68: 274-276 (1993)   |
|                  | CW        | Isaacs et al., "Vaccinia virus complement-control protein prevents antibody-dependent complement-enhanced neutralization of infectivity and contributes to virulence," <i>Proc Natl Acad Sci U S A.</i> 89:628-632 (1992)   |
|                  | CX        | Johnson et al., "An update on the vaccinia virus genome," <i>Virology</i> 196: 381-401 (1993)   |
|                  | CY        | Kantor et al., "Antitumor Activity and Immune Responses Induced by a Recombinant Carcinoembryonic Antigen-Vaccinia Virus Vaccine," <i>J. Natl. Cancer Inst.</i> 84: 1084-1091 (1992)  |
|                  | CZ        | Katz et al., "Mutations in the vaccinia virus A33R and B5R envelope proteins that enhance release of extracellular virions and eliminate formation of actin-containing microvilli without preventing tyrosine phosphorylation of the A36R protein," <i>J. Virology</i> 77:12266-12275 (2003)  |
|                  | DA        | Kotwal et al., "Mapping and Insertional Mutagenesis of a Vaccinia Virus Gene Encoding a 13, 800-Da Secreted Protein," <i>Virology</i> 171:579-587 (1989)  |
|                  | DB        | Kozak, M., "Structural features in Eukaryotic mRNAs that modulate the Initiation of Translation," <i>J. Biol. Chem.</i> 266:19867-19870 (1991)  |
|                  | DC        | Lamberton et al., "Construction and characterization of a bioluminescent <i>Streptococcus pyogenes</i> ," <i>Proceedings of the 12th International Symposium on Bioluminescence and Chemiluminescence</i> Progress & Current Applications, Stanley, P.E. and L.J. Kricka et al. (Eds). World Scientific Publishing Co. Pte. Ltd., pp 85-88 (2002) |
|                  | DD        | Lamberton et al., "Generation and characterization of a bioluminescent <i>Streptococcus pyogenes</i> ," <i>Proceedings of the 12th International Symposium on Bioluminescence &amp; Chemiluminescence: 5-9 April 2002, Robinson College, University of Cambridge, UK, p 3.22 (2002)</i>   |
|                  | DE        | Lathe et al., "Tumour prevention and rejection with recombinant vaccinia," <i>Nature (London)</i> 326: 878-880 (1987)   |
| ↓                | DF        | Lee et al. "Prodrug and antedrug: two diametrical approaches in designing safer drugs," <i>Arch. Pharm. Res.</i> 25(2): 111-136 (2002)  |
| /D.S./           | DG        | Lee et al., "Molecular attenuation of vaccinia virus: mutant generation and animal characterization," <i>Journal of Virology</i> 66:2617-2630 (1992)  |

Examiner Signature

Date Considered

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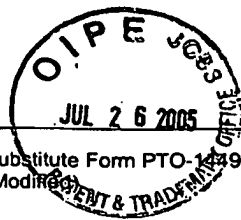


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| <b>List of Patents and Publications for Applicant's Information Disclosure Statement</b><br><br>(37 CFR §1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>17248-004US1 /<br>4804US | Application No.<br>10/516,785 |
|   | Applicant<br>Szalay et al.                                 |   |                               |
|   | Filing Date<br>December 3, 2004                            | Group Art Unit<br>Unassigned                      |                               |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document   |
|------------------|-----------|--|
| /D.S./           | DH        | Leenders <i>et al.</i> , "Blood to brain iron uptake in one Rhesus monkey using [Fe-52]-citrate and positron emission tomography (PET): influence of haloperidol," J. Neural. Transm. Suppl. 43: 123-132 (1994)  |
|                  | DI        | Lemmon <i>et al.</i> , "Anaerobic bacteria as a gene delivery system that is controlled by the tumor microenvironment," Gene Therapy 4: 791-796 (1997)   |
|                  | DJ        | Lemmon <i>et al.</i> , "Anaerobic bacteria as a gene delivery system to tumors," Proceedings of the 85th Annual Meeting of the American Association for Cancer Research, San Francisco, CA April 10-13, 1994, published in: Proc. Am. Cancer Research Assn 35: 374 (1994)  |
|                  | DK        | Lewis <i>et al.</i> , "Comparison of Four <sup>64</sup> Cu-Labeled Somatostatin Analogues in Vitro and in a Tumor-Bearing Rat Model: Evaluation of New Derivatives for Positron Emission Tomography Imaging and Targeted Radiotherapy," J. Med. Chem. 42: 1341-1347 (1999)   |
|                  | DL        | Li <i>et al.</i> , "Bifidobacterium adolescentis as a delivery system of endostatin for cancer gene therapy: Selective Inhibitor of angiogenesis and hypoxic tumor growth," Cancer Gene Therapy 10: 105-111 (2003)   |
|                  | DM        | Liau <i>et al.</i> , "Treatment of intracranial gliomas with bone marrow-derived dendritic cells pulsed with tumor antigens," J. Neurosurg. 90(6): 1115-1124 (1999)  |
|                  | DN        | Liu <i>et al.</i> , "An E1B-19 kDa gene deletion mutant adenovirus demonstrates tumor necrosis factor-enhanced cancer selectivity and enhanced oncolytic potency," Molecular Therapy 9(6): 786-803 (2004)  |
|                  | DO        | Lopez <i>et al.</i> , "Infections in children with malignant disease in Argentina," Cancer 47(5): 1023-1030 (1981)   |
|                  | DP        | Mayford <i>et al.</i> , "CaMKII Regulates the Frequency-Response Function of Hippocampal Synapses for the Production of Both LTD and LTP," Cell 81: 891-904 (1995)   |
|                  | DQ        | Mayr <i>et al.</i> , "The Smallpox Vaccination Strain MVA: Marker, Genetic Structure, Experience Gained with the Parenteral Vaccination and Behavior in Organisms with a Debilitated Defense Mechanism," Zentbl. Bakteri. Hyg. Abt. 1 Orig. B 167: 375-390 (1978) [In German, English abstract on first page of article] |
|                  | DR        | McAllister <i>et al.</i> , "Recombinant yellow fever viruses are effective therapeutic vaccines for treatment of murine experimental solid tumors and pulmonary metastases," J. Virol. 74:9197-9205 (2000).  |
|                  | DS        | McAneny <i>et al.</i> , "Results of a Phase I trial of a recombinant vaccinia virus that expresses carcinoembryonic antigen in patients with advanced colorectal cancer," Ann. Surg. Oncol. 3(5): 495-500 (1996)   |
|                  | DT        | Mikryukov <i>et al.</i> , "Structural-functional organization of segment of vaccinia virus genome," Soviet Biotechnology (Biotekhnologiya) 4: 19-25 (1988) [corresponds to pages 442-449 in the Russian language edition]  |
|                  | DU        | Moore <i>et al.</i> , "Steroid hormone synthesis by a vaccinia enzyme: a new type of virus virulence factor," EMBO J. 1992 11:1973-1980, corrigendum in The EMBO Journal 11(9): 3490 (1992)  |
|                  | DV        | Moss, B., "Genetically engineered poxviruses for recombinant gene expression, vaccination, and safety," Proc. Natl. Acad. Sci. USA 93: 11341-11348 (1996)  |
| /D.S./           | DW        | Moss, B., "Poxvirus vectors: cytoplasmic expression of transferred genes," Curr. Opin. Genet. Dev. 3: 86-90 (1993)   |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |



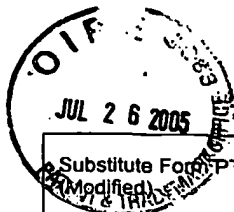
|   |  |  |   |                               |
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| Substitute Form PTO-1449<br>(Modified) PATENT & TRADEMARK OFFICE<br><br><b>List of Patents and Publications for Applicant's Information Disclosure Statement</b><br><br>(37 CFR §1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office |  | Attorney's Docket No.<br>17248-004US1 /<br>4804US | Application No.<br>10/516,785 |
|   | Applicant<br>Szalay et al.                                 |  |   |                               |
|   | Filing Date<br>December 3, 2004                            |  | Group Art Unit<br>Unassigned                      |                               |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document   |
|------------------|-----------|--|
| /D.S./           | DX        | Mullen et al., "Viral Oncolysis," The Oncologist 7: 106-119 (2002)   |
|                  | DY        | Mulryan et al., "Attenuated recombinant vaccinia virus expressing oncofetal antigen (tumor-associated antigen) 5T4 induces active therapy of established tumors," Mol Cancer Ther 1(12): 1129-1137 (2002)  |
|                  | DZ        | Munagala et al., "The purine nucleoside phosphorylase from <i>Trichomonas vaginalis</i> is a homologue of the bacterial enzyme," Biochemistry 41(33): 10382-10389 (2002)   |
|                  | EA        | NCBI Protein AAA48282  |
|                  | EB        | NCBI Nucleotide AF012825   |
|                  | EC        | NCBI Nucleotide. AF095689  |
|                  | ED        | NCBI Nucleotide AF380138   |
|                  | EE        | NCBI Nucleotide AX003206   |
|                  | EF        | NCBI Nucleotide. AY009089  |
|                  | EG        | NCBI Nucleotide AY243312   |
|                  | EH        | NCBI Nucleotide AY484669   |
|                  | EI        | NCBI Nucleotide AY603355   |
|                  | EJ        | NCBI Nucleotide M35027   |
|                  | EK        | NCBI Nucleotide M57977   |
|                  | EL        | NCBI Nucleotide U94848   |
|                  | EM        | NCBI Nucleotide X69198   |
|                  | EN        | NCBI Nucleotide X94355   |
|                  | EO        | Needleman <i>et al.</i> , "A general method applicable to the search for similarities in the amino acid sequences of two proteins," J. Mol. Biol. 48:443-453 (1970)  |
|                  | EP        | Nogady, T., <i>Medicinal Chemistry A Biochemical Approach</i> , New York: Oxford University Press, pages 388-392 (1985)  |
|                  | EQ        | Oertli <i>et al.</i> , "Non-replicating recombinant vaccinia virus encoding murine B-7 molecules effective costimulation of naive CD4 <sup>+</sup> splenocytes <i>in vitro</i> ," J. Gen. Virol. 77: 3121-3125 (1996)  |
|                  | ER        | Okamoto et al., "Severe impairment of anti-cancer effect of lipoteichoic acid-related molecule isolated from a penicillin-killed <i>Streptococcus pyogenes</i> in toll-like receptor 4-deficient mice," International Immunopharmacology 1(9-10): 1789-1795 (2001) |
| ↓                | ES        | Patel <i>et al.</i> , "A poxvirus-derived vector that directs high levels of expression of cloned genes in mammalian cells," Proc. Natl. Acad. Sci. USA 85: 9431-9435 (1988)   |
| /D.S./           | ET        | Pawelek et al., "Tumor-targeted <i>Salmonella</i> as a Novel Anticancer Vector," Cancer Therapy 57: 4537-4544 (1997)   |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |





|   |              |   |   |                               |
|---|--------------|---|---|-------------------------------|
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|   |              |   | Filing Date<br>December 3, 2004                   | Group Art Unit<br>Unassigned  |
| <b>Other Documents (include Author, Title, Date, and Place of Publication)</b>  |              |   |   |                               |
| Examiner<br>Initial   | Desig.<br>ID | Document  |   |                               |
| /D.S./  | EU           | Pearson <i>et al.</i> , "Improved tools for biological sequence comparison," Proc. Natl. Acad. Sci. USA 85:2444-2448 (1988)   |   |                               |
|   | EV           | Pilcher, H., "GM Bug activates cancer drug: Bacteria targets medicine to shrivel mouse tumours," news @ nature.com, Published online: 22 April 2004;<br><a href="http://www.nature.com/news/2004/040419/full/040419-9.html">http://www.nature.com/news/2004/040419/full/040419-9.html</a> , (accessed on November 18, 2004) |   |                               |
|   | EW           | Pinkert <i>et al.</i> , "An albumin enhancer located 10 kb upstream functions along with its promoter to direct efficient, liver-specific expression in transgenic mice," Genes & Dev. 1: 268-76 (1987)   |   |                               |
|   | EX           | Plucienniczak <i>et al.</i> , "Nucleotide sequence of a cluster and late genes in a conserved segment of the vaccinia virus genome," Nucleic Acids Research 13(3): 993-998 (1985)   |   |                               |
|   | EY           | Puhlmann <i>et al.</i> , "Vaccinia virus as a vector for tumor-directed gene therapy: biodistribution of a thymidine kinase-deleted mutant," Cancer Gene Therapy 7(1): 66-73 (2000)   |   |                               |
|   | EZ           | Qin, H. and S.K. Chatterjee, "Cancer gene therapy using tumor cells infected with recombinant vaccinia virus expressing GM-CSF," Human Gene Ther. 7: 1853-1860 (1996)   |   |                               |
|   | FA           | Rao <i>et al.</i> , "IL-12 is an effective adjuvant to recombinant vaccinia virus-based tumor vaccines," J. Immunol. 156: 3357-3365 (1996)  |   |                               |
|   | FB           | Rodriguez <i>et al.</i> , "Highly attenuated vaccinia virus mutants for the generation of safe recombinant viruses," Proc. Natl. Acad. Sci. USA 86: 1287-1291 (1989)  |   |                               |
|   | FC           | Rolston <i>et al.</i> , "In vitro activity of LY264826, a new glycopeptide antibiotic, against gram-positive bacteria isolated from patients in cancer," Antimicrob. Agents Chemother. 34(11):2137-2141 (1990)  |   |                               |
|   | FD           | Roseman <i>et al.</i> , "The vaccinia virus HindIII fragment: nucleotide sequence of the left 6.2kb," Virology 178: 410-418 (1990)  |   |                               |
|   | FE           | Roth <i>et al.</i> , "p53 as a target for cancer vaccines: recombinant canarypox virus vectors expressing p53 protect mice against lethal tumor cell challenge," Proc. Natl. Acad. Sci. USA 93: 4781-4786 (1996)  |   |                               |
|   | FF           | Schwartz and Dayhoff, eds., ATLAS OF PROTEIN SEQUENCE AND STRUCTURE, National Biomedical Research Foundation, pp. 353-358 (1979)  |   |                               |
|   | FG           | Shilo, B. and R.A. Weinberg, "DNA sequences homologous to vertebrate oncogenes are conserved in <i>Drosophila melanogaster</i> ," Proc. Natl. Acad. Sci. USA 78:6789-6792 (1981)  |   |                               |
|   | FH           | Shinozaki <i>et al.</i> , "Oncolysis of multifocal hepatocellular carcinoma in the rat liver by hepatic artery infusion of vesicular stomatitis virus," Mol. Ther. 9(3): 368-376 (2004)   |   |                               |
|   | FI           | Silva <i>et al.</i> , "Cloning, overexpression, and purification of functional human purine nucleoside phosphorylase," Protein Expr. Purif. 27(1): 158-164 (2003)   |   |                               |
|   | FJ           | Smith, T.F. and M.S. Waterman, "Comparison of biosequences," Adv. Appl. Math. 2:482-489 (1981)  |   |                               |
|   | FK           | Sorscher <i>et al.</i> , "Tumor cell bystander killing in colonic carcinoma utilizing the <i>Escherichia coli</i> <i>DeoD</i> gene to generate toxic purines," Gene Therapy 1(4): 233-238 (1994)  |   |                               |
|   | FL           | Stevens, D.L., "Streptococcal toxic-shock syndrome: spectrum of disease, pathogenesis, and new concepts in treatment," Emerg. Infect. Dis. 1(3): 69-78 (1995)   |   |                               |
|   | FM           | Sugimoto, M. and K. Yamanouchi, "Characteristics of an attenuated vaccinia virus strain, LC16m0, and its recombinant virus vaccines," Vaccine 12(8): 675-681 (1994)   |   |                               |
| /D.S./  | FN           | Sugimoto <i>et al.</i> , "Gene structures of low-neurovirulent vaccinia virus LC16m0, LC16m8, and their Lister Original (LO) strains," Microbial. Immunol. 29: 421-428 (1985)   |   |                               |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |



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|   |  | Filing Date<br>December 3, 2004                   | Group Art Unit<br>Unassigned  |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner<br>Initial | Desig.<br>ID | Document   |
|---------------------|--------------|--|
| /D.S./              | FO           | Suvorov et al., "Physical and genetic chromosomal map of an M type I strain of <i>Streptococcus pyogenes</i> ," J. Bacteriol. 178(18): 5546-5549 (1996)  |
|                     | FP           | Suzuki et al., "Management of orbital lymphangioma using intralesional injection of OK-432," Br. J. Ophthalmol. 84(6): 614-617 (2000)  |
|                     | FQ           | Sze et al., "Dr. Gary J. Becker Young Investigator Award: intraarterial adenovirus for metastatic gastrointestinal cancer: activity, radiographic response, and survival," J. Vasc. Interv. Radiol. 14(3): 279-290 (2003)  |
|                     | FR           | Takahashi-Nishimaki et al., "Genetic analysis of vaccinia virus Lister strain and its attenuated mutant LC16m8: production of intermediate variants by homologous recombination," J. Gen. Virol. 68: 2705-2710 (1987)  |
|                     | FS           | Theys et al., "Tumor-specific gene delivery using genetically engineered bacteria," Curr Gene Ther 3(3): 207-221 (2003)  |
|                     | FT           | Timiriasova et al., "[Analysis of reporter gene expression at different segments of the vaccinia virus genome]," Mol. Biol. (Mosk.) 27(2): 392-401 (1993) [article in Russian, English abstract on last page of article]   |
|                     | FU           | Timiryasova et al., "Construction of recombinant vaccinia viruses using PUV-inactivated virus as a helper," BioTechniques 31: 534-540 (2001)   |
|                     | FV           | Toth et al., "An oncolytic adenovirus vector combining enhanced cell-to-cell spreading, mediated by the ADP cytolytic protein, with selective replication in cancer cells with deregulated <i>Wnt</i> signaling," Cancer Research 64: 3638-3644 (2004)                                 |
|                     | FW           | Tsung et al., "Gene expression and cytopathic effect of vaccinia virus inactivated by psoralen and long-wave UV light," J. Virol. 70: 165-171 (1996)   |
|                     | FX           | Umphress et al., "Vaccinia virus mediated expression of human APC induces apoptosis in colon cancer cells," Transgenics 4:19-33 (2003)   |
|                     | FY           | Veijola et al., "Cloning, Baculovirus Expression, and Characterization of the $\alpha$ Subunit of Prolyl 4-Hydroxylase from the nematode <i>Caenorhabditis elegans</i> ," J. Biol. Chem. 269: 26746-26753 (1994)   |
|                     | FZ           | Vidal et al., "Tissue-specific control elements of the Thy-1 gene," EMBO J. 9(3): 833-840 (1990)   |
|                     | GA           | Watson et al. Molecular Biology of the Gene, 4th Edition, 1987, The Benjamin/Cummings Pub. co., p.224  |
|                     | GB           | Wolffe et al., "Deletion of the vaccinia virus B5R gene encoding a 42-kilodalton membrane glycoprotein inhibits extracellular virus envelope formation and dissemination," Journal of Virology 67(8): 4732-4741 (1993) and erratum in Journal of Virology, vol. 67, pp5709-5711 (1993) |
|                     | GC           | Wu et al., "High resolution microPET imaging of carcino-embryonic antigen-positive xenografts by using a copper-64-labeled engineered antibody fragment," PNAS USA 97(15): 8495-8500 (2000)  |
|                     | GD           | Yang et al., "Whole-body optical imaging of green fluorescent protein-expressing tumors and metastases," Proc. Natl. Acad. Sci. USA 97(3):1206-1211 (2000)   |
| ↓                   | GE           | Yang et al., "Effects of growth medium composition, iron sources and atmospheric oxygen concentrations on production of luciferase-bacterial magnetic particle complex by a recombinant <i>Magnetospirillum magneticum</i> AMB-1," Enzyme Microb. Technol. 29: 13-19 (2001)            |
| /D.S./              | GF           | Yazawa et al., "Current progress in suicide gene therapy for cancer," World J. Surg 26(7): 783-789 (2002)  |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
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|   |              |   |  | Filing Date<br>December 3, 2004                   |  | Group Art Unit<br>Unassigned  |  |
| <b>Other Documents (include Author, Title, Date, and Place of Publication)</b>  |              |   |  |   |  |                               |  |
| Examiner<br>Initial   | Desig.<br>ID | Document  |  |   |  |                               |  |
| /D.S./  | GG           | Yoshida et al., "Cell growth-inhibitory action of SAGP, an antitumor glycoprotein from <i>Streptococcus pyogenes</i> (Su strain)," Jpn. J. Pharmacol. 45(2): 143-147 (1987)   |  |   |  |                               |  |
| ↓   | GH           | Yoshida et al., "Characterization of a streptococcal antitumor glycoprotein (SAGP)," Life Sciences 62(12): 1043-1053 (1998)   |  |   |  |                               |  |
| ↓   | GI           | Yoshida et al., "Growth-inhibitory effect of streptococcal antitumor glycoprotein on human epidermoid carcinoma A431 cells: involvement of dephosphorylation of epidermal growth factor receptor," Cancer Research 61(16): 6151-6157 (2001) |  |   |  |                               |  |
| ↓   | GJ           | Zimmermann <i>et al.</i> , "Independent regulatory elements in the nestin gene direct transgene expression to neural stem cells," Neuron 12: 11-24 (1994)   |  |   |  |                               |  |
| /D.S./  | GK           | Zolotukhin <i>et al.</i> , "A 'Humanized' Green Fluorescent Protein cDNA adapted for high-level expression in mammalian cells," J. Virol. 70:4646-4654 (1996)   |  |   |  |                               |  |

|   |                                   |
|---|-----------------------------------|
| Examiner Signature<br><br>/Daniel M Sullivan/   | Date Considered<br><br>01/08/2008 |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                   |

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|   |              |  |                     | Filing Date<br>December 3, 2004                  |       | Group Art Unit<br>1645        |                               |
| <b>U.S. Patent Documents</b>  |              |  |                     |  |       |                               |                               |
| Examiner<br>Initial   | Desig.<br>ID | Document<br>Number   | Publication<br>Date | Patentee   | Class | Subclass                      | Filing Date<br>If Appropriate |
| /D.S./  | A            | 2003/0228261   | 12/11/03            | Szalay et al.                                    | 424   | 9.34                          | 06/05/02                      |
|   | B            | 2003/0213007   | 11/13/03            | Slaterry et al.                                  | 800   | 15                            | 03/26/03                      |
|   | C            | 2002/0160970   | 10/31/02            | Hadlaczky et al.                                 | 514   | 44                            | 03/05/01                      |
|   | D            | 2002/0160410   | 10/31/02            | Hadlaczky et al.                                 | 435   | 6                             | 04/17/02                      |
|   | E            | 2004/0143861   | 07/22/04            | Hadlaczky et al.                                 | 800   | 14                            | 02/18/04                      |
|   | F            | 2003/0133949   | 07/17/03            | Szalay et al.                                    | 424   | 200.1                         | 01/30/03                      |
|   | G            | 2003/0101480   | 05/29/03            | Hadlaczky et al.                                 | 800   | 273                           | 11/01/02                      |
|   | H            | 2003/0083293   | 05/01/03            | Hadlaczky et al.                                 | 514   | 44                            | 05/16/02                      |
|   | I            | 2003/0059400   | 03/27/03            | Szalay   | 424   | 93.2                          | 07/03/02                      |
|   | J            | 2003/0033617   | 02/13/03            | Hadlaczky et al.                                 | 800   | 6                             | 04/17/01                      |
|   | K            | 2001/0029023   | 10/11/01            | Szalay et al.                                    | 435   | 7.1                           | 01/25/01                      |
|   | L            | 2001/0008025   | 07/12/01            | Hadlaczky et al.                                 | 800   | 8                             | 06/12/98                      |
|   | M            | 4,442,203  | 04/10/84            | Varshavsky                                       | 435   | 6                             | 06/30/81                      |
|   | N            | 4,778,759  | 10/18/88            | Szalay et al.                                    | 435   | 477                           | 01/09/85                      |
|   | O            | 5,221,623  | 06/22/93            | Legocki et al.                                   | 435   | 252.3                         | 07/19/89                      |
|   | P            | 5,283,187  | 02/01/94            | Aebischer et al.                                 | 435   | 182                           | 01/08/91                      |
|   | Q            | 5,300,436  | 04/05/94            | Goldstein et al.                                 | 435   | 190                           | 01/26/93                      |
|   | R            | 5,550,050  | 08/27/96            | Holland et al.                                   | 435   | 382                           | 04/15/94                      |
|   | S            | 5,639,275  | 06/17/97            | Baetge et al.                                    | 604   | 891.1                         | 05/25/95                      |
|   | T            | 5,650,148  | 07/22/97            | Gage et al.                                      | 424   | 93.2                          | 03/10/94                      |
|   | U            | 5,653,975  | 08/05/97            | Baetge et al.                                    | 424   | 93.1                          | 05/25/95                      |
|   | V            | 5,656,481  | 08/12/97            | Baetge et al.                                    | 435   | 325                           | 05/25/95                      |
|   | W            | 5,676,943  | 10/14/97            | Baetge et al.                                    | 424   | 93.21                         | 05/25/95                      |
|   | X            | 5,704,910  | 01/06/98            | Humes  | 604   | 502                           | 06/05/95                      |
| ↓   | Y            | 5,750,103  | 05/12/98            | Cherksey   | 424   | 93.21                         | 06/02/95                      |
|   | Z            | 5,756,455  | 05/26/98            | Kinzler et al.                                   | 514   | 12                            | 02/17/95                      |
| /D.S./  | AA           | 5,762,959  | 06/09/98            | Soon-Shiong et al.                               | 424   | 451                           | 12/23/94                      |

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|   |  | Filing Date<br>December 3, 2004                  | Group Art Unit<br>1645        |

## U.S. Patent Documents

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee          | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|-------------------|-------|----------|----------------------------|
| /D.S./           | AB        | 5,795,790       | 08/18/98         | Schinstine et al. | 435   | 382      | 05/23/95                   |
|                  | AC        | 5,798,113       | 08/25/98         | Dionne et al.     | 424   | 422      | 05/24/95                   |
|                  | AD        | 5,800,828       | 09/01/98         | Dionne et al.     | 424   | 422      | 01/10/94                   |
|                  | AE        | 5,800,829       | 09/01/98         | Dionne et al.     | 424   | 422      | 05/24/95                   |
|                  | AF        | 5,833,979       | 11/10/98         | Schinstine et al. | 424   | 93.21    | 05/23/95                   |
|                  | AG        | 5,834,001       | 10/10/98         | Dionne et al.     | 424   | 422      | 05/24/95                   |
|                  | AH        | 5,837,234       | 11/17/98         | Gentile et al.    | 424   | 93.7     | 06/07/95                   |
|                  | AI        | 5,840,576       | 11/24/98         | Schinstine et al. | 435   | 325      | 05/23/95                   |
|                  | AJ        | 5,842,431       | 12/01/98         | Wu                | 112   | 232      | 02/19/97                   |
|                  | AK        | 5,853,385       | 12/29/98         | Emerich et al.    | 604   | 500      | 08/26/94                   |
|                  | AL        | 5,853,717       | 12/29/98         | Schinstine et al. | 424   | 93.21    | 05/23/95                   |
|                  | AM        | 5,861,290       | 01/19/99         | Goldsmith et al.  | 435   | 456      | 10/22/92                   |
|                  | AN        | 5,976,796       | 11/02/99         | Szalay et al.     | 435   | 6        | 12/23/96                   |
|                  | AO        | 6,025,155       | 02/15/00         | Hadlaczky et al.  | 435   | 69.1     | 08/07/96                   |
|                  | AP        | 6,077,697       | 06/20/00         | Hadlaczky et al.  | 435   | 172.3    | 07/15/96                   |
|                  | AQ        | 6,080,849       | 06/27/00         | Bermudes et al.   | 536   | 23.7     | 09/10/97                   |
|                  | AR        | 6,217,847       | 04/17/01         | Contag et al.     | 424   | 9.1      | 01/19/99                   |
|                  | AS        | 6,265,557       | 07/24/01         | Diamond et al.    | 536   | 23.1     | 05/09/97                   |
|                  | AT        | 6,511,967       | 01/28/03         | Weissleder et al. | 514   | 44       | 04/21/00                   |
|                  | AU        | 6,713,293       | 03/30/04         | Grummt et al.     | 435   | 182      | 02/08/99                   |
| /D.S./           | AV        | 6,743,967       | 06/01/04         | Hadlaczky et al.  | 800   | 25       | 06/12/98                   |

## Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
| /D.S./           | AW        | 00/47237        | 08/17/00         | PCT                      |       |          |             |    |
| /D.S./           | AX        | 01/05229        | 1/25/01          | PCT                      |       |          |             |    |
| /D.S./           | AY        | 01/14579        | 03/01/01         | PCT                      |       |          |             |    |

Examiner Signature

Date Considered

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| List of Patents and Publications for Applicant's<br>Information Disclosure Statement<br><br>(37 CFR §1.98(b)) |  | Applicant<br>Szalay et al.                       |                               |
|   |  | Filing Date<br>December 3, 2004                  | Group Art Unit<br>1645        |

### Foreign Patent Documents or Published Foreign Patent Applications

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|---------------------|--------------|--------------------|---------------------|-----------------------------|-------|----------|-------------|----|
|                     |              |                    |                     |                             |       |          | Yes         | No |
| /D.S./              | AZ           | 01/18195           | 03/15/01            | PCT                         |       |          |             |    |
|                     | BA           | 01/25399           | 04/12/01            | PCT                         |       |          |             |    |
|                     | BB           | 03/014380          | 02/20/03            | PCT                         |       |          |             |    |
|                     | BC           | 03/063593          | 08/07/03            | PCT                         |       |          |             |    |
|                     | BD           | 03/104485          | 12/18/03            | PCT A2                      |       |          |             |    |
|                     | BE           | 1 281 767          | 05/28/03            | EP                          |       |          |             |    |
|                     | BF           | 1 281 772          | 02/05/03            | EP A1                       |       |          |             |    |
|                     | BG           | 1 369 491          | 12/10/03            | EP                          |       |          |             |    |
|                     | BH           | 91/07989           | 06/13/91            | PCT                         |       |          |             |    |
| /D.S./              | BI           | 94/10302           | 05/11/94            | PCT                         |       |          |             | X* |

X\*= An English Language Derwent abstract is being provided

### Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner<br>Initial | Desig.<br>ID | Document   |
|---------------------|--------------|--|
| /D.S./              | BJ           | Advisory Committee on Immunization Practices (ACIP), "Smallpox vaccination and adverse reactions: guidance for clinicians", Morbidity and Mortality Weekly Report 52(RR-4): 1-29 (February 21, 2003)                         |
|                     | BK           | Advisory Committee on Immunization Practices (ACIP), "Vaccinia (smallpox) vaccine: recommendations of the Advisory Committee on Immunization Practices (ACIP), MMWR, 50(RR-10): 1-26 & ce1-ce7 (June 22, 2001)               |
|                     | BL           | Aebischer et al., "Long-Term Cross-Species Brain Transplantation of a Polymer-Encapsulated Dopamine-Secreting Cell Line," Experimental Neurology 111:269-275 (1991)  |
|                     | BM           | Aebischer et al., "Functional Recovery in Hemiparkinsonian Primates Transplanted with Polymer-Encapsulated PC12 Cells," Experimental Neurology 126:151-158 (1994)  |
|                     | BN           | Aguilar, O.M. et al., "The <i>nifEN</i> genes participating in FeMo cofactor biosynthesis and genes encoding dinitrogenase are part of the same operon in <i>Bradyrhizobium</i> species. Mol Gen Genet. 224(3):413-20 (1990) |
|                     | BO           | Alcami, A. et al., "Vaccinia virus strains Lister, USSR and Evans express soluble and cell-surface tumour necrosis factor receptors," J. Gen. Virol., 80: 949-959 (1999)   |
|                     | BP           | Antoine, G. et al., "Characterization of the vaccinia MVA hemagglutinin gene locus and its evaluation as an insertion site for foreign genes," Gene, 177: 43-46 (1996)   |
|                     | BQ           | Arakawa, S. et al., "Clinical trial of attenuated vaccinia virus AS strain in the treatment of advanced adenocarcinoma," J. Cancer Res. Clin. Oncol., 113: 95-98 (1987)  |
|                     | BR           | Baeksgaard, L. and J.B. Sorensen, "Acute tumor lyssi syndrome in solid tumors--a case report and review of the literature," Cancer Chemother. Pharmacol., 51: 187-192 (2003).  |
| /D.S./              | BS           | Baker, R.O. et al., "Potential antiviral therapeutics for smallpox, monkeypox, and other orthopoxvirus infections," Antiviral Research, 57: 13-23 (2003)   |

|   |                 |
|---|-----------------|
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|   |              |   | Filing Date<br>December 3, 2004                  | Group Art Unit<br>1645        |
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| Examiner<br>Initial   | Desig.<br>ID | Document  |  |                               |
| /D.S./  | BT           | Balkwill, F., "Chemokine biology in cancer," <i>Seminars in Immunol.</i> , 15: 49-55 (2003)   |  |                               |
|   | BU           | Baxby, D., "Poxviruses," Chapter 15 in <i>Principles and Practice of Clinical Virology</i> , Zuckerman, A.J. et al.(eds.), John Wiley & Sons Ltd., pp. 451-465 (2000)   |  |                               |
|   | BV           | Beebe, J.L. and E.W. Koneman, "Recovery of Uncommon Bacteria from Blood: Association with Neoplastic Disease," <i>Clin. Microbiol. Rev.</i> , 8(3): 336-356 (1995)  |  |                               |
|   | BW           | Beerntsen, B.T. et al., "Genetics of Mosquito Vector Competenc," <i>Microbiol. Mol. Biol. Rev.</i> , 64(1): 115-137 (2000)  |  |                               |
|   | BX           | Belas et al., "Bacterial Bioluminescence: Isolation and Expression of the Luciferase Genes from <i>Vibrio harveyi</i> ," <i>Science</i> , 218: 791-793 (1982)   |  |                               |
|   | BY           | Bell, J.C. et al., "Getting oncolytic virus therapies off the ground," <i>Cancer Cell</i> , 4: 7-11 (2003)  |  |                               |
|   | BZ           | Bendig, M.M., "The production of foreign proteins in mammalian cells," <i>Genetic Engineering</i> 7:91-127 (1988)   |  |                               |
|   | CA           | Bergsland, E.K. and A.P. Venook, "Shedding Old Paradigms: Developing Viruses to Treat Cancer," <i>J. Clin. Oncol.</i> , 20(9): 2220-2222 (2002)   |  |                               |
|   | CB           | Bermudes et al., "Live bacteria as anticancer agents and tumor-selective protein delivery vectors," <i>Current Opinion in Drug Discovery &amp; Development</i> 5(2):194-199 (2002)  |  |                               |
|   | CC           | Best et al., "Baboon/human homologies examined by spectral karyotyping (SKY): a visual comparison," <i>Cytogenet Cell Genet.</i> 82(1-2):83-7 (1998)  |  |                               |
|   | CD           | Bickels, J. et al., "Coley's toxin: historical perspective," <i>Isr. Med. Assoc. J.</i> , 4(6): 471-472 (2002)  |  |                               |
|   | CE           | Blanchard, T.J. et al., "Modified vaccinia virus Ankara undergoes limited replication in human cells and lacks several immunomodulatory proteins: implications for use as a human vaccine," <i>Journal of General Virology</i> , 79: 1159-1167 (1998)                                     |  |                               |
|   | CF           | Blasco, R. and B. Moss, "Selection of recombinant vaccinia viruses on the basis of plaque formation," <i>Gene</i> , 158: 157-162 (1995)   |  |                               |
|   | CG           | Bogdahn et al., "Autocrine Tumor Cell Growth-inhibiting Activities from Human Malignant Melanoma," <i>Cancer Research</i> 49:5358-5363 (1989)   |  |                               |
|   | CH           | Borellini, F. and J.M. Ostrove, "The Transfer of Technology from the Laboratory to the Clinic: In Process Controls and Final Product Testing," Chapter 18 in <i>Gene Therapy Technologies, Applications and Regulations</i> , A. Meager (Ed.), John Wiley & Sons Ltd., pp. 359-373 (1999) |  |                               |
|   | CI           | Boulanger, D. et al., "Morphogenesis and release of fowlpox virusm," <i>Journal of General Virology</i> , 81: 675-687 (2000)  |  |                               |
|   | CJ           | Bouvier et al., "Functional characterization of the human dopamine D-4.2 receptor using vaccinia virus as an expression system," <i>European Journal of Pharmacology</i> 290(1):11-17 (1995)  |  |                               |
|   | CK           | Boyd, J.E., "Facilities for Large-Scale Production of Vectors under GMP Conditions," Chapter 20 in <i>Gene Therapy Technologies, Applications and Regulations</i> , A. Meager (Ed.), pp. 383-400 (1999)   |  |                               |
|   | CL           | Brain, J.D. et al., "Pulmonary intravascular macrophages: their contribution to the mononuclear phagocyte system in 13 species", <i>Am. J. Physiol.</i> , 276(1 pt 1): L146-L154 (1999)   |  |                               |
| ✓   | CM           | Breman, J.G. and D.A. Henderson, "Diagnosis and Management of Smallpox," <i>N. Engl. J. Med.</i> , 346(17): 1300-1308 (2002)  |  |                               |
| /D.S./  | CN           | Broder, C.C. et al., "Expression of foreign genes in cultured human primary macrophages using recombinant vaccinia virus vectors," <i>Gene</i> , 142: 167-174 (1994)  |  |                               |
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| /D.S./  | CO           | Broyles, S.S., "Vaccinia virus transcription," Journal of General Virology, 84: 2293-2303 (2003)   |  |                               |
|   | CP           | Brunke M et al., "Luciferase assembly after transport into mammalian microsomes involves molecular chaperones and peptidyl-prolyl cis/trans-isomerases," J Biol Chem. 271(38):23487-94 (1996)  |  |                               |
|   | CQ           | Carroll, S.F. and R.J. Collier, "Active Site of Pseudomonas aeruginosa Exotoxin A," J. Biol. Chem. 262:8707-8711 (1987)  |  |                               |
|   | CR           | Carter, G.C. et al., "Vaccinia virus cores are transported on microtubules," Journal of General Virology, 84: 2443-2458 (2003)   |  |                               |
|   | CS           | Cavanagh, L.L. and U.H. von Andrian, "Travellers in many guises: The origins and destinations of dendritic cells," Immunology and Cell Biology, 80: 448-462 (2002)   |  |                               |
|   | CT           | Chalfie et al., "Green Fluorescent Protein as a Marker for Gene Expression," Science 263: 802-805 (1994)   |  |                               |
|   | CU           | Chambers, A.F. et al., "Dissemination and Growth of Cancer Cells in Metastatic Sites," Nat. Rev. Cancer, 2: 563-572 (2002)   |  |                               |
|   | CV           | Chambers, A.F. et al., "Molecular biology of breast cancer metastasis Clinical implications of experimental studies on metastatic inefficiency," Breast Cancer Res., 2: 400-407 (2000)   |  |                               |
|   | CW           | Chaudhary et al., "Role of domain II of Pseudomonas exotoxin in the secretion of proteins into the periplasm and medium by Escherichia coli," Proc. Natl. Acad. Sci. USA 85: 2939-2943 (1988)  |  |                               |
|   | CX           | Cheadle, E.J. and A.M. Jackson, "Bugs as Drugs for Cancer," Immunology 107: 10-19 (2002)   |  |                               |
|   | DA           | Chen et al. "Evaluation of combined vaccinia virus-mediated antitumor gene therapy with p53, IL-2, and IL-12 in a glioma model." Cancer Gene Ther. 7(11):1437-47 (2000)  |  |                               |
|   | DB           | Chen et al. "Cancer gene therapy by direct tumor injections of a nonviral T7 vector encoding a thymidine kinase gene," Hum Gene Ther. 9(5):729-36 (1998)   |  |                               |
|   | DC           | Chiocca, E.A., "Oncolytic Viruses," Nat. Rev. Cancer, 2(12): 938-950 (2002)  |  |                               |
|   | DD           | Choi et al., "Efficient secretory production of alkaline phosphatase by high cell density culture of recombinant Escherichia coli using the Bacillus sp. endoxylanase signal sequence," Appl. Microbiol. Biotechnol. 53:640-645 (2000) |  |                               |
|   | DE           | Cichutek, K., "Development and Regulation of Gene Therapy Drugs in Germany," Chapter 17 in Gene Therapy Technologies, Applications and Regulations, A. Meager (Ed.), John Wiley & Sons Ltd. pp. 347-358 (c1999)                        |  |                               |
|   | DF           | Clairmont, C. et al., "Enhanced antitumor activity from tumor-targeting Salmonella expressing endostatin," American Association for Cancer Research: 91st Annual Meeting of the AACR, April 1-5, 2000, 41:732 Abstract #4653 (2000)    |  |                               |
|   | DG           | Compton, J.L. and A.A. Szalay, "Insertion of nonhomologous DNA into the yeast genome mediated by homologous recombination with a cotransforming plasmid," Mol Gen Genet. 188(1):44-50 (1982)   |  |                               |
|   | DH           | Condeelis, J. and J.E. Segall, "Intravital imaging of cell movement in tumours," Nat. Rev. Cancer, 3: 921-930 (2003)   |  |                               |
| /D.S./  | DI           | Contag et al., "Photonic detection of bacterial pathogens in living hosts," Mol. Microbiol. 18: 593-603 (1995)   |  |                               |

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| Examiner<br>Initial   | Desig.<br>ID | Document   |  |  |  |                               |  |
| /D.S./  | DJ           | Coupar, B.E.H. et al., "A general method for the construction of recombinant vaccinia viruses expressing multiple foreign genes," Gene, 68: 1-10 (1988)  |  |  |  |                               |  |
|   | DK           | Coussens, L.M. and Z. Werb, "Inflammation and cancer," Nature, 420: 860-867 (2002)   |  |  |  |                               |  |
|   | DL           | Craperi et al. "Increased bax expression is associated with cell death induced by ganciclovir in a herpes thymidine kinase gene-expressing glioma cell line." Hum Gene Ther. 10(4):679-688 (1999)  |  |  |  |                               |  |
|   | DM           | Cseh, S. et al., "Rapid freezing of mouse embryos in ethylene glycol at different preimplantation stages," Acta Veterinaria Hungarica 44(4):457-65 (1996)  |  |  |  |                               |  |
|   | DN           | Culver et al., "In vivo gene transfer with retroviral vector-producer cells for treatment of experimental brain tumors." Science. 256(5063):1550-2 (1992)  |  |  |  |                               |  |
|   | DO           | Davis, C. et al., "The role of inflammation in vascular injury and repair," Journal of Thrombosis and Haemostasis, 1: 1699-1709 (2003)   |  |  |  |                               |  |
|   | DP           | De Clercq, E., "Cidofovir in the therapy and short-term prophylaxis of poxvirus infections," Trends in Pharmacological Sciences, 23(10): 456-458 (2002)  |  |  |  |                               |  |
|   | DQ           | Demers, G.W. et al., "Pharmacologic Indicators of Antitumor Efficacy for Oncolytic Virotherapy", Cancer Res., 63: 4003-4008 (2003)   |  |  |  |                               |  |
|   | DR           | Derwent English abstract for WO 94/10302, published May 11, 1994 entitled: "Vectors inhibiting HIV replication in potential host cells - contg. DNA encoding Pol, Gag, Env, Rev, and/or Tat in antisense direction and further DNA causing spontaneous amplification," Accession Nbr. 1994-152544 [19] |  |  |  |                               |  |
|   | DS           | de Wet et al., "Firefly Luciferase Gene: Structure and Expression in Mammalian Cells," Mol. Cell. Biol. 7: 725-737 (1987)  |  |  |  |                               |  |
|   | DT           | Diamond, D.C. ET AL. "Sequence comparison of baboon ABO histo-blood group alleles: lesions found in O alleles differ between human and baboon," Blood Cells Mol Dis. 23(2):242-51 (1997)   |  |  |  |                               |  |
|   | DU           | Diamond, D.C., et al., "Genotyping the baboon ABO histo-blood group locus by two-color fluorescence SSCP," Biotechniques 27(5):1054, 1056, 1058-59, 1061 (1999)  |  |  |  |                               |  |
|   | DV           | Dietrich, G. et al., "Delivery of antigen-encoding plasmid DNA into the cytosol of macrophages by attenuated suicide <i>Listeria monocytogenes</i> ," Nat Biotechnol. 16(2):181-5 (1998)   |  |  |  |                               |  |
|   | DW           | Ding et al., "Zinc-dependent dimers observed in crystals of human endostatin," Proc. Natl. Acad. Sci. USA 95:10443-10448 (1998)  |  |  |  |                               |  |
|   | DX           | Dobbelstein, M., "Viruses in therapy-- royal road or dead end?", Virus Research, 92: 219-221 (2003)  |  |  |  |                               |  |
|   | DY           | Domi, A. and B. Moss, "Cloning the vaccinia virus genome as a bacterial artificial chromosome in <i>Escherichia coli</i> and recovery of infectious virus in mammalian cells," Proc. Natl. Acad. Sci. U.S.A., 99(19): 12415-12420 (2002)   |  |  |  |                               |  |
|   | DZ           | Dull et al., "Insulin-like growth factor II precursor gene organization in relation to insulin gene therapy," Nature 310: 777-781 (1984)   |  |  |  |                               |  |
|   | EA           | Eastham et al. "Prostate cancer gene therapy: herpes simplex virus thymidine kinase gene transduction followed by ganciclovir in mouse and human prostate cancer models." Hum Gene Ther. 7(4):515-23 (1996)  |  |  |  |                               |  |
|   | EB           | Ehrengruber, M.U., "Alphaviral gene transfer in neurobiology," Brain Research Bulletin, 59(1): 13-22 (2002)  |  |  |  |                               |  |
| /D.S./  | EC           | Engbrecht et al., "Measuring Gene Expression with Light," Science 227: 1345-1347 (1985)  |  |  |  |                               |  |
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| /D.S./  | EA           | Escher, A. et al., "Bacterial luciferase $\alpha\beta$ fusion protein is fully active as a monomer and highly sensitive <i>in vivo</i> to elevated temperature," <i>Proc Natl Acad Sci U S A.</i> 86(17):6528-32 (1989)  |  |  |                               |
|   | EB           | Escher, A. et al., "The $\beta$ subunit polypeptide of <i>Vibrio harveyi</i> luciferase determines light emission at 42° C," <i>Mol Gen Genet.</i> 230(3):385-93 (1991)  |  |  |                               |
|   | EC           | Escher, A. and A.A. Szalay, "GroE-mediated folding of bacterial luciferases <i>in vivo</i> ," <i>Mol Gen Genet.</i> 238(1-2):65-73 (1993)  |  |  |                               |
|   | ED           | Esposito, J.J. and F. Fenner, "Poxviruses", Chapter 85 in <i>Field's Virology</i> , 4th Edn., vol. 2, pp. 2885-2921. Edited by D. M. Knipe and P. M. Howley, Philadelphia: Lippincott Williams & Wilkins, (2001)   |  |  |                               |
|   | EE           | Fatyol, K. et al., "Mer22-related sequence elements form pericentric repetitive DNA families in primates," <i>Mol Gen Genet.</i> 262(6):931-9 (2000)   |  |  |                               |
|   | EF           | Fatyol, K. et al. "Molecular characterization of a stably transformed <i>Bombyx mori</i> cell line: identification of alternative transcriptional initiation sites of the A3 cytoplasmic actin gene." <i>Mol Gen Genet.</i> 260(1):1-8 (1998)                            |  |  |                               |
|   | EG           | Fatyol, K. et al., "An alternative intronic promoter of the <i>Bombyx</i> A3 cytoplasmic actin gene exhibits a high level of transcriptional activity in mammalian cells," <i>Mol Gen Genet.</i> 261(2):337-45 (1999)  |  |  |                               |
|   | EH           | Fatyol, K. and A.A. Szalay, "The p14 <sup>ARF</sup> tumor suppressor protein facilitates nucleolar sequestration of hypoxia-inducible factor-1 $\alpha$ (HIF-1 $\alpha$ ) and inhibits HIF-1-mediated transcription," <i>J Biol Chem.</i> 276(30):28421-28429 (2001)     |  |  |                               |
|   | EI           | Fernández-Piñas, F. and C.P. Wolk, "Expression of <i>luxCD-E</i> in <i>Anabaena</i> sp. can replace the use of exogenous aldehyde for <i>in vivo</i> localization of transcription by <i>luxAB</i> ," <i>Gene</i> 150:169-174 (1994)                                     |  |  |                               |
|   | EJ           | Fidler, I.J., "The pathogenesis of cancer metastasis: the 'seed and soil' hypothesis revisited," <i>Nature Cancer Research</i> , 3: 1-6 (2003)   |  |  |                               |
|   | EK           | Foran, D.R. and W.M. Brown, "Nucleotide sequence of the LuxA and LuxB genes of the bioluminescent marine bacterium <i>Vibrio fischeri</i> ," <i>Nucleic Acids Res.</i> 16: 777 (1988)  |  |  |                               |
|   | EL           | Forbes, N.S. et al., "Sparse Initial Entrapment of Systematically Injected <i>Salmonella typhimurium</i> Leads to Heterogenous Accumulation within Tumors," <i>Cancer Res.</i> , 63: 5188-5193 (2003)  |  |  |                               |
|   | EM           | Fox, A.W., "Emergency and Compassionate-use INDs and Accelerated NDS or ANDA Approvals--Procedures, Benefits and Pitfalls," Chapter 26 in <i>Principles and Practice of Pharmaceutical Medicine</i> , A.J. Fletcher, et al.(Eds.), John Wiley & Sons, pp.299-305, (2002) |  |  |                               |
|   | EN           | Freed et al., "Survival of Implanted Fetal Dopamine Cells and Neurologic Improvement 12 to 46 Months After Transplantation for Parkinson's Disease," <i>New England Journal of Medicine</i> 327:1549-1555 (1992)   |  |  |                               |
|   | EO           | Freitag, N.E. and K.E. Jacobs, "Examination of <i>Listeria monocytogenes</i> Intracellular Gene Expression by Using Green Fluorescent Protein of <i>Aequorea victoria</i> ," <i>Infect.Immun.</i> 67:1844-1852 (1999)  |  |  |                               |
|   | EP           | Friberg, S. and S. Mattson, "On the Growth Rates of Human Malignant Tumors: Implications for Medical Decision Making," <i>Journal of Surgical Oncology</i> , 65: 284-297 (1997)  |  |  |                               |
|   | EQ           | Gallagher, R., "Vaccination Undermined," <i>The Scientist</i> , 17(22): 1-3 (2003)   |  |  |                               |
| /D.S./  | ER           | Geng, J.G., "Directional migration of leukocytes: their pathological roles in inflammation and strategies for development of anti-inflammatory therapies," <i>Cell Res.</i> , 11(2): 85-88 (2001)  |  |  |                               |

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| /D.S./  | ES           | Geng, J.G., "Interaction of vascular endothelial cells with leukocytes, platelets and cancer cells in inflammation, thrombosis and cancer growth and metastasis," Acta Pharmacol. Sin, 24(12): 1297-1300 (2003)   |                 |  |                               |
|   | ET           | Giacomin, L.T. and A.A. Szalay, "Expression of a PALI promoter luciferase gene function in <i>Arabidopsis thaliana</i> in response to infection by phytopathogenic bacteria," Plant Sci. 116: 59-72 (1996)  |                 |  |                               |
|   | EU           | Gnant, M.F.X. et al, "Tumor-Specific Gene Delivery Using Recombinant Vaccinia Virus in a Rabbit Model of Liver Metastases", Journal of the National Cancer Institute, 91(20): 1744-1750 (1999)  |                 |  |                               |
|   | EV           | Goetz et al., "Multicenter Study of Autologous Adrenal Medullary Transplantation to the Corpus Striatum in Patients with Advanced Parkinson's Disease", N. Eng. J. Med. 320:337-341 (1989)  |                 |  |                               |
|   | EW           | Goetz, M et al., "Microinjection and growth of bacteria in the cytosol of mammalian host cells," Proc Natl Acad Sci U S A. 98(21):12221-12226. (2001)   |                 |  |                               |
|   | EX           | Gomella, L.G. et al., "Phase I Study Of Intravesical Vaccinia Virus As A Vector For Gene Therapy Of Bladder Cancer", J. Urology, 166: 1291-1295 (2001)  |                 |  |                               |
|   | EY           | Gómez, C.E. and M. Esteban, "Recombinant proteins produced by vaccinia virus vectors can be incorporated within the virion (IMV form) into different compartments," Arch. Virol., 146: 875-892 (2001)   |                 |  |                               |
|   | EZ           | Graff, C.P. and K.D. Wittrup, "Theoretical Analysis of Antibody Targeting of Tumor Spheroids: Importance of Dosage for Penetration, and Affinity for Retention," Cancer Res., 63: 1288-1296 (2003)  |                 |  |                               |
|   | FA           | Gray, J.W., "Evidence emerges for early metastasis and parallel evolution of primary and metastatic tumors", Cancer Cell, 4(1): 4-6 (2003)  |                 |  |                               |
|   | FB           | Green, D.R. and G.I. Evan, "A matter of life and death", Cancer Cell, 1: 19-30 (2002)   |                 |  |                               |
|   | FC           | Greer III, L.F. and A.A. Szalay, "Imaging of light emission from the expression of luciferases in living cells and organisms: a review," Luminescence. 17(1):43-74 (2002)   |                 |  |                               |
|   | FD           | Griffin, D.E., "A Review of Alphavirus Replication in Neurons," Neuroscience and Biobehavioral Reviews, 22(6): 721-723 (1998)   |                 |  |                               |
|   | FE           | Grove et al. "Virus-directed enzyme prodrug therapy using CB1954" Anti-Cancer Drug Design 14(6) 461-472 (1999)  |                 |  |                               |
|   | FF           | Guy et al., "Expression of the neu protooncogene in the mammary epithelium of transgenic mice induces metastatic disease," Proc. Natl. Acad. Sci. USA 89: 10578-10582 (1992)  |                 |  |                               |
|   | FG           | Hacein-Bey-Abina, S. et al., "A Serious Adverse Event after Successful Gene Therapy for X-Linked Severe Combined Immunodeficiency", N. Engl. J. Med., 348(3): 255-266 (2003)  |                 |  |                               |
|   | FH           | Hadley, R.G. et al., "Conservation of DNA regions adjacent to <i>nifKDH</i> homologous sequences in diverse slow-growing <i>Rhizobium</i> strains," J Mol Appl Genet. 2(3):225-36 (1983)  |                 |  |                               |
|   | FI           | Haghighat et al. "Antitumor effect of IL-2, p53, and bax gene transfer in C6 glioma cells," Anticancer Res. 20(3A):1337-42 (2000)   |                 |  |                               |
|   | FJ           | Hall et al., "Adenovirus-mediated herpes simplex virus thymidine kinase gene and ganciclovir therapy leads to systemic activity against spontaneous and induced metastasis in an orthotopic mouse model of prostate cancer," Int J Cancer. 70(2):183-7 (1997) |                 |  |                               |
| /D.S./  | FK           | Halsell, J.S. et al., "Myopericarditis Following Smallpox Vaccination Among Vaccinia-Naïve US Military Personnel", J. Am. Med. Assoc., 289(24): 3283-3289 (2003)  |                 |  |                               |
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| /D.S./  | FL           | Hanahan, D. and R.A. Weinberg, "The Hallmarks of Cancer", Cell, 100: 57-70 (2000)  |  |  |  |                               |  |
|   | FM           | Hansen, R.M. and J.A. Libnoch, "Remission of Chronic Lymphocytic Leukemia After Smallpox Vaccination," Arch. Intern. Med., 138: 1137-1138 (1978)   |  |  |  |                               |  |
|   | FN           | Hawkins, L.K. et al., "Oncolytic biotherapy: a novel therapeutic platform," The Lancet Oncology, 3: 17-26 (2002)   |  |  |  |                               |  |
|   | FO           | Hemann et al., "High-Copy Expression Vector Based on Amplification-Promoting Sequences", DNA and Cell Biology 13:437-445 (1994)  |  |  |  |                               |  |
|   | FP           | Hermiston, T.W. and I. Kuhn, "Armed therapeutic viruses: Strategies and challenges to arming oncolytic viruses with therapeutic genes," Cancer Gene Therapy, 9: 1022-1035 (2002)                                 |  |  |  |                               |  |
|   | FQ           | Hershey, P. et al., "Adjuvant Immunotherapy of Patients With High-Risk Melanoma Using Vaccinia Viral Lysates of Melanoma: Results of a Randomized Trial," Journal of Clinical Oncology, 20(20): 4181-4190 (2002) |  |  |  |                               |  |
|   | FR           | Hess et al., "Listeria monocytogenes p60 supports host cell invasion by and in vivo survival of attenuated Salmonella typhimurium," Infect Immun. 63(5):2047-53 (1995)   |  |  |  |                               |  |
|   | FS           | Hollinshead, M. et al., "Vaccinia virus utilizes microtubules for movement to the cell surface," Journal of Cell Biology, 154: 389-402 (2001)  |  |  |  |                               |  |
|   | FT           | Holló, G et al., "Evidence for a megareplicon covering megabases of centromeric chromosome Segments," Chromosome Res. 4(3):240-7 (1996)  |  |  |  |                               |  |
|   | FU           | Hosokawa et al., "Pituitary Carcinoma of Pars Distalis as a Common Neoplasm in Fischer-344 Rats," Toxicol. Pathol. 21: 283-287 (1993)  |  |  |  |                               |  |
|   | FV           | Hughes, R.G. and N. Turner, "Financial Aspects of Clinical Trials", Chapter 42 in Principles and Practice of Pharmaceutical Medicine, A.J. Fletcher, et al.(eds.), pp. 501-512, John Wiley & Sons, Ltd. (2002)   |  |  |  |                               |  |
|   | FW           | Humlova, Z. et al., "Vaccinia virus induces apoptosis of infected macrophages," J. General Virol., 83: 2821-2832 (2002)  |  |  |  |                               |  |
|   | FX           | Jain, R.K. and B.T. Fenton, "Intratumoral Lymphatic Vessels: A Case of Mistaken Identity or Malfunction?," Journal of the National Cancer Institute, 94(6): 417-421 (2002)                                       |  |  |  |                               |  |
|   | FY           | Jain, R.K., "Molecular regulation of vessel maturation," Nat. Med., 9(6): 685-693 (2003)   |  |  |  |                               |  |
|   | FZ           | Jemal, A. et al., "Cancer Statistics, 2003", CA Cancer J Clin, 53(1): 5-26 (2003)  |  |  |  |                               |  |
|   | GA           | Jeong, K.J. and S.Y. Lee, "Secretory Production of Human Leptin in Escherichia coli," Biotechnol.Bioeng. 67:398-407 (2000)   |  |  |  |                               |  |
|   | GB           | Kaniga et al., "Homologs of the Shigella IpaB and IpaC Invasins are Required for Salmonella typhimurium Entry into Cultured Epithelial Cells," J. Bacteriol. 177: 3965-3971 (1995)                               |  |  |  |                               |  |
|   | GC           | Kawa, A. and S. Arakawa, "The Effect of Attenuated Vaccinia Virus AS Strain on Multiple Myeloma; A Case Report," Japan. J. Exp. Med. 58(1): 79-81 (1987)   |  |  |  |                               |  |
|   | GD           | Keith, K.A. et al., "Evaluation of Nucleoside Phosphonates and Their Analogs and Prodrugs for Inhibition of Orthopoxvirus Replication," Antimicrob. Agents Chemothera., 47(7): 2193-2198 (2003)                  |  |  |  |                               |  |
|   | GE           | Keresó, J. et al., "De novo chromosome formations by large-scale amplification of the centromeric region of mouse chromosomes," Chromosome Res. 4(3):226-39 (1996)   |  |  |  |                               |  |
| /D.S./  | GF           | Kern, E.R., "In vitro activity of potential anti-poxvirus agents", Antiviral Research 57: 35-40 (2003)   |  |  |  |                               |  |

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| /D.S./  | GG           | Kihara, A. and I. Pastan, "Analysis of Sequences Required for the Cytotoxic Action of a Chimeric Toxin Composed of Pseudomonas Exotoxin and Transforming Growth Factor $\alpha$ ," Bioconj.Chem. 5: 532-538 (1994) |  |                               |
|   | GH           | Kim, E.M. et al., "Overview analysis of adjuvant therapies for melanomaFa special reference to results from vaccinia melanoma oncolysate adjuvant therapy trials", Surgical Oncology, 10: 53-59 (2001)             |  |                               |
|   | GI           | Kleer, C.G. et al., "Molecular biology of breast cancer metastasis Inflammatory breast cancer: clinical syndrome and molecular determinants," Breast Cancer Res. 2: 423-429 (2000)                                 |  |                               |
|   | GJ           | Kneissl, M. et al., "Interaction and assembly of murine pre-replicative complex proteins in yeast and mouse cells," J Mol Biol. 327(1):111-28 (2003)   |  |                               |
|   | GK           | Kolowsky K.S. et al., "Length of foreign DNA in chimeric plasmids determines the efficiency of its integration into the chromosome of the cyanobacterium Synechococcus R2," Gene 27(3):289-99 (1984)               |  |                               |
|   | GL           | Kondo et al., "Activity of Immunotoxins Constructed with Modified Pseudomonas Exotoxin A Lacking the Cell Recognition Domain," J.Biol.Chem. 263: 9470-9475 (1988)  |  |                               |
|   | GM           | Krauss, O. et al., "An investigation of incorporation of cellular antigens into vaccinia virus particles," Journal of General Virology, 83: 2347-2359 (2002)   |  |                               |
|   | GN           | Kruse, M, et al., "Enzyme assembly after de novo synthesis in rabbit reticulocyte lysate involves molecular chaperones and immunophilins," J Biol Chem. 270(6):2588-94 (1995)                                      |  |                               |
|   | GO           | Kubes, P., "Introduction: The complexities of leukocyte recruitment," Seminars in Immunol. 14: 65-72 (2002)  |  |                               |
|   | GP           | Kunkel, E.J. and E.C. Butcher, "Plasma-cell homing," Nature Reviews Immunology, 3: 822-829 (2003)  |  |                               |
|   | GQ           | Kwak, H. et al., "Poxviruses as vectors for cancer immunotherapy," Curr. Opin. Drug Disc. Develop., 6(2): 161-168 (2003)   |  |                               |
|   | GR           | Langridge W.H. et al., "Detection of baculovirus gene expression in insect cells and larvae by low light video image analysis," J Virol Methods. 61(1-2):151-6 (1996)  |  |                               |
|   | GS           | Langridge W.H. et al., "Uptake of DNA and RNA into cells mediated by electroporation," Methods Enzymol. 153:336-50. (1987)   |  |                               |
|   | GT           | Langridge, W.H. and , A.A.Szalay, "Bacterial and coelenterate luciferases as reporter genes in plant cells," Chapter 37 in Methods Mol Biol. 82:385-96.(1998)  |  |                               |
|   | GU           | Larson et al. "Triumph over mischance: a role for nuclear medicine in gene therapy," J Nucl Med. 38(8):1230-3 (1997)   |  |                               |
|   | GV           | Lawrence J.C., "The bacteriology of burns", J. of Hospital Infection 6: 3-17 (1985)  |  |                               |
|   | GW           | Lee et al., "The lux genes of the luminous bacterial symbiont <i>Photobacterium leiognathi</i> , of the ponyfish," Eur. J. Biochem. 201: 161-167 (1991)  |  |                               |
|   | GX           | Legocki et al., "Bioluminescence in soybean root nodules: Demonstration of a general approach to assay gene expression <i>in vivo</i> by using bacterial luciferase," Proc. Natl. Acad. Sci 83: 9080-9084 (1986).  |  |                               |
| /D.S./  | GY           | Ley, K., "Integration of inflammatory signals by rolling neutrophils," Immunological Reviews, 186: 8-18 (2002)   |  |                               |

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| /D.S./  | GZ           | Ley, K., "The role of selectins in inflammation and disease", Trends in Molec. Med., 9(6): 263-268 (2003).   |  |  |  |                               |  |
|   | HA           | Li et al "An engineered and assembled fusion protein of antitumor antibiotic lidamycin and scFV antibody directed against type IV collagenase" Yaouxue Xuebao 35(7) 488-91 (July, 2000) [English abstract on last page of article] |  |  |  |                               |  |
|   | HB           | Lindvall et al., "Grafts of Fetal Dopamine Neurons Survive and Improve Motor Function in Parkinson's Disease," Science 237:574-577 (1990)  |  |  |  |                               |  |
|   | HC           | Liu, H et al., "Detection of GDNF secretion in glial cell culture and from transformed cell implants in the brains of live animals," Mol Genet Genomics. 266(4):614-23. (2001)   |  |  |  |                               |  |
|   | HD           | Liu, J. et al., "Visualizing and quantifying protein secretion using a Renilla luciferase-GFP fusion protein," Luminescence. 15(1):45-49 (2000)  |  |  |  |                               |  |
|   | HE           | Lorenz et al., "Isolation and expression of a cDNA encoding <i>Renilla reniformis</i> luciferase," PNAS USA 88: 4438-4442 (1991)   |  |  |  |                               |  |
|   | HF           | Lorenz et al., "Expression of the Renilla reniformis luciferase gene in mammalian cells," J Biolumin Chemilumin. 11(1):31-7 (1996)   |  |  |  |                               |  |
|   | HG           | Louie, A.Y. et al., "In vivo visualization of gene expression using magnetic resonance imaging," Nature Biotechnology, 18: 321-325 (2000)  |  |  |  |                               |  |
|   | HH           | Luscinskas, F.W. et al., "Leukocyte transendothelial migration: A junctional affair," Seminars in Immunology, 14: 105-113 (2002)   |  |  |  |                               |  |
|   | HI           | Luscinskas, F.W. et al., "The role of endothelial cell lateral junctions during leukocyte trafficking," Immunological Reviews, 186: 57-67 (2002)   |  |  |  |                               |  |
|   | HJ           | Lusso, P., "Chemokines and Viruses: The Dearest Enemies," Virology, 273: 228-240 (2000)  |  |  |  |                               |  |
|   | HK           | Lyford, J., "Gene therapy 'cause T-cell leukemia': Insertional mutagenesis pinpointed as cause of T-cell Leukemia in X-SCID gene therapy trial," The Scientist, (Daily News, October 20, 2003) pgs. 1-4 (2003)                     |  |  |  |                               |  |
|   | HL           | MacDonald, I.C. et al., "Cancer spread and micrometastasis development: quantitative approaches for in vivo models," BioEssays, 24: 885-893 (2002)   |  |  |  |                               |  |
|   | HM           | MacLaren et al. "Receptive non-invasive imaging of the dopamine D2 receptor gene in living animals" Gene Therapy 6: 785-791 (1995)   |  |  |  |                               |  |
|   | HN           | MacLeod R.A. et al., "Expression of genes from the marine bacterium <i>Alteromonas haloplankis</i> 214 in <i>Escherichia coli</i> K-12," Arch Microbiol. 142(3):248-52 (1985)  |  |  |  |                               |  |
|   | HO           | Maeda, H. et al., "Tumor vascular permeability and the EPR effect in macromolecular therapeutics: a review", J. Controlled Release, 65: 271-284 (2000)   |  |  |  |                               |  |
|   | HP           | Mahy, B.W.J., "An overview on the use of a viral pathogen as a bioterrorism agent: why smallpox?", Antivir. Res., 57: 1-5 (2003)   |  |  |  |                               |  |
|   | HQ           | Maina C.V. et al., "Molecular weight determination program," Nucleic Acids Res. 12(1 Pt 2):695-702 (1984)  |  |  |  |                               |  |
|   | HR           | Makower, D. et al., "Phase II Clinical Trial of Intralesional Administration of the Oncolytic Adenovirus ONYX-015 in Patients with Hepatobiliary Tumors with Correlative p53 Studies," Clin. Cancer Res., 9: 693-702 (2003)        |  |  |  |                               |  |
| /D.S./  | HS           | Mastrangelo, M.J. et al., "Poxvirus vectors: orphaned and underappreciated," J. Clin. Invest., 105(8): 1031-1034 (2000)  |  |  |  |                               |  |
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| /D.S./  | HT           | Matz et al., "Fluorescent proteins from nonbioluminescent Anthozoa species," Nat.Biotech. 17: 969-973 (1999)  |  |  |  |                               |  |
|   | HU           | Mayerhofer, R et al., "Monitoring of spatial expression of firefly luciferase in transformed zebrafish," J Biolumin Chemilumin. 10(5):271-5 (1995)  |  |  |  |                               |  |
|   | HV           | McCart, J.A. et al., "Complex interactions between the replicating oncolytic effect and the enzyme/prodrug effect of vaccinia-mediated tumor regression," Gene Therapy, 7: 1217-1223 (2000)   |  |  |  |                               |  |
|   | HW           | McCart, J.A. et al., "Systemic Cancer Therapy with a Tumor-selective Vaccinia Virus Mutant Lacking Thymidine Kinase and Vaccinia Growth Factor Genes," Cancer Research, 61: 8751-8757 (2001)  |  |  |  |                               |  |
|   | HX           | McDonald, D.M. and P.L. Choyke, "Imaging of angiogenesis: from microscope to clinic," Nature Medicine, 9(6): 713-725 (2003)   |  |  |  |                               |  |
|   | HY           | Meager, A. et al., "The Development of the Regulatory Process in Europe for Biological Medicines: How it Affects Gene Therapy Products", Chapter 16 in <i>Gene Therapy Technologies, Applications and Regulations</i> , A. Meager (Ed.), John Wiley & Sons Ltd., pp. 319-346 (1999) |  |  |  |                               |  |
|   | HZ           | Meighen, E.A. and R.B. Szittner, "Multiple Repetitive Elements and Organization of the <i>lux</i> Operons of Luminescent Terrestrial Bacteria," J. Bacteriol. 174(16):5371-5381 (1992)  |  |  |  |                               |  |
|   | LA           | Mengaud et al., "Expression in <i>Escherichia coli</i> and Sequence Analysis of the Listeriolysin O Determinant of <i>Listeria monocytogenes</i> ," Infect.Immun. 56(4): 766-772 (1988)   |  |  |  |                               |  |
|   | IB           | Middleton, J. et al., "Leukocyte extravasation: chemokine transport and presentation by the endothelium", Blood, 100(12): 3853-3860 (2002)  |  |  |  |                               |  |
|   | IC           | Moore et al. , "Measuring transferrin receptor gene expression by NMR imaging," Biochimica et Biophysica Acta 1402(3):239-249 (1998)  |  |  |  |                               |  |
|   | ID           | Moore, A.E., "Effects of Viruses on Tumors", Annu. Rev. Microbiol., 8: 393-402 (1954)   |  |  |  |                               |  |
|   | IE           | Moretta, A., "Natural Killer Cells and Dendritic Cells: Rendezvous in Abused Tissues", Nat. Rev. Immunol., 2: 957-964 (2002)  |  |  |  |                               |  |
|   | IF           | Morris, D.W. et al., "Plasmid vectors capable of transferring large DNA fragments to yeast," DNA. 1(1):27-36 (1981)   |  |  |  |                               |  |
|   | IG           | Moss, B., "Poxviridae: the viruses and their replication," Chapter 84 in Field's Virology, 4 <sup>th</sup> Edn., vol. 2, pp. 2849-2883. Edited by D. M. Knipe and P. M. Howley, Philadelphia: Lippincott Williams & Wilkins, (2001)   |  |  |  |                               |  |
|   | IH           | Moss, B., "Poxviridae: the viruses and their replication," Chapter 83 in Fields Virology, 3rd Edn, pp. 2637-2671. Edited by B. N. Fields, D. M. Knipe & P. M. Howley. Philadelphia: Lippincott-Raven (1996)   |  |  |  |                               |  |
|   | II           | Mountz et al. "Technetium-99m NeoTect imaging <i>in vivo</i> of T cells from hCAR transgenic mice," FASEB J. 16(5):A1211 March Meeting abstract (2002)  |  |  |  |                               |  |
|   | IJ           | Nagahari et al. "Secretion into the culture medium of a foreign gene product from <i>Escherichia coli</i> : use of the <i>ompF</i> gene for secretion of human $\beta$ -endorphin." EMBO J. 4(13A):3589-92 (1985)   |  |  |  |                               |  |
| ↓   | IK           | Nettleton, P.F. et al., "Parapoxviruses are strongly inhibited <i>in vitro</i> by cidofovir," Antivir. Res., 48: 205-208 (2000)   |  |  |  |                               |  |
| /D.S./  | IL           | Newton et al. "Expression and characterization of recombinant human eosinophil-derived neurotoxin and eosinophil-derived neurotoxin-anti-transferrin receptor sFv," J. Biol. Chem.269(43):26739-45, (1994)  |  |  |  |                               |  |

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| /D.S./  | IM           | Neyts et al., "Therapy and short-term prophylaxis of poxvirus infections: historical background and perspectives," <i>Antivir. Res.</i> 57: 25-33 (2003)  |  |                               |
|   | IN           | Nibbering et al. "Radiolabelled antimicrobial peptides for imaging of infections: a review," <i>Nucl Med Commun.</i> 19(12):1117-21 (1998)  |  |                               |
|   | IO           | Nichterlein et al., "Clinafloxacin (CI 960) is Superior to Standard Therapeutics in the Treatment of Murine Listeriosis and Salmonellosis," <i>Zentralbl.Bakteriol.</i> 286: 401-412 (1997)               |  |                               |
|   | IP           | Nisato, R.E. et al., "Lymphangiogenesis and tumor metastasis", <i>Thromb. Haemost.</i> , 90: 591-597 (2003)   |  |                               |
|   | IQ           | Nolan G.P., et al., "Plasmid mapping computer program," <i>Nucleic Acids Res.</i> 12(1 Pt 2):717-29 (1984)  |  |                               |
|   | IR           | Noti J.D. et al., "Organization and characterization of genes essential for symbiotic nitrogen fixation from <i>Bradyrhizobium japonicum</i> I110," <i>J. Bacteriol.</i> 167(3):774-83 (1986)             |  |                               |
|   | IS           | Noti J.D. et al., "Site-directed Tn5 and transplacement mutagenesis: methods to identify symbiotic nitrogen fixation genes in slow-growing <i>Rhizobium</i> ," <i>Methods Enzymol.</i> 154:197-217 (1987) |  |                               |
|   | IT           | Ober, B.T. et al., "Immunogenicity and Safety of Defective Vaccinia Virus Lister: Comparison with Modified Vaccinia Virus Ankara", <i>J. Virol.</i> , 76(15): 7713-7723 (2002)                            |  |                               |
|   | IU           | O'Kane et al., "Visualization of Bioluminescence as a Marker of Gene Expression in <i>Rhizobium</i> -Infected Soybean Root Nodules," <i>J. Plant Mol. Biol.</i> 10: 387-399 (1988).                       |  |                               |
|   | IV           | Olsson et al., "Engineering of monomeric bacterial luciferases by fusion of luxA and luxB genes in <i>Vibrio harveyi</i> ," <i>Gene</i> 81(2):335-47 (1989)   |  |                               |
|   | IW           | Olsson, O. et al., "The use of the luxA gene of the bacterial luciferase operon as a reporter gene," <i>Mol Gen Genet.</i> 215(1):1-9 (1988)  |  |                               |
|   | IX           | Overholser et al., "Experimental Bacterial Endocarditis after Dental Extractions in Rats with Periodontitis," <i>J. Infect. Dis.</i> 155(1): 107-112 (1987)   |  |                               |
|   | IY           | Padera, T.P. et al., "Lymphatic Metastasis in the Absence of Functional Intratumor Lymphatics", <i>Science</i> 296: 1883-1886 (2002)  |  |                               |
|   | IZ           | Paniacli, D. et al., "Vaccinia virus vectors utilizing the $\beta$ -galactosidase assay for rapid selection of recombinant viruses and measurement of gene expression," <i>Gene</i> , 47: 193-199 (1986)  |  |                               |
|   | JA           | Pardal, R. et al., "Applying the principles of stem-cell biology to cancer," <i>Nature Reviews Cancer</i> , 3: 895-902 (2003)   |  |                               |
|   | JB           | Parish, C.R., "Cancer immunotherapy: The past, the present and the future," <i>Immunology and Cell Biology</i> , 81: 106-113 (2003)   |  |                               |
|   | JC           | Pawelek, J.M. et al., "Bacteria as tumour-targeting vectors," <i>The Lancet Oncology</i> , 4: 548-556 (2003)  |  |                               |
|   | JD           | Pecora, A.L. et al., "Phase I Trial of Intravenous Administration of PV701, an Oncolytic Virus, in Patients With Advanced Solid Cancers," <i>Journal of Clinical Oncology</i> , 20(9): 2251-2266 (2002)   |  |                               |
|   | JE           | Peplinski, G.R. et al., "Vaccinia Virus For Human Gene Therapy," <i>Surgical Oncology Clinics of North America</i> , 7(3): 575-588 (1998)   |  |                               |
|   | JF           | Pluen, A. et al., "Role of tumor-host interactions in interstitial diffusion of macromolecules: Cranial vs. subcutaneous tumors," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 98(8): 4628-4633 (2001)          |  |                               |
| /D.S./  | JG           | Polverini et al., "Assay and Purification of Naturally Occuring Inhibitor of Angiogenesis," <i>Methods in Enzymology</i> 198:440-450 (1991)   |  |                               |

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| /D.S./  | JH           | Pongor S. et al., "Microcomputer programs for prediction and comparative evaluation of protein secondary structure from nucleotide sequence data: application to ribulose-1,5-bisphosphate carboxylase sequences," DNA. 4(4):319-26 (1985) |  |  |  |                               |  |
|   | JI           | Pongor S. and A.A. Szalay, "Prediction of homology and divergence in the secondary structure of Polypeptides," Proc Natl Acad Sci U S A. 82(2):366-70 (1985)   |  |  |  |                               |  |
|   | JJ           | Prasher et al., "Sequence Comparison of Complementary DNAs Encoding Aequorin Isotypes," Biochemistry 26: 1326-1332 (1987)  |  |  |  |                               |  |
|   | JK           | Prasher et al., "Primary structure of the Aequorea victoris green-fluorescent protein," Gene 111: 229-233 (1992)   |  |  |  |                               |  |
|   | JL           | Proudfoot, A.E.I. et al., "Strategies for Chemokine Antagonists as Therapeutics," Seminars in Immunology, 15: 57-65 (2003)   |  |  |  |                               |  |
|   | JM           | Puhlmann et al. "Thymidine kinase-deleted vaccinia virus expressing purine nucleoside phosphorylase as a vector for tumor-directed gene therapy," Hum Gene Ther. 10(4):649-57 (1999)   |  |  |  |                               |  |
|   | JN           | Quenelle, D.C. et al., "Efficacy of Multiple- or Single-Dose Cidofovir against Vaccinia and Cowpox Virus Infections in Mice," Antimicrobial Agents and Chemotherapy, 47(10): 3275-3280 (2003)  |  |  |  |                               |  |
|   | JO           | Ramirez, J.C. et al., "Tissue distribution of the Ankara strain of vaccinia virus (MVA) after mucosal or systemic administration," Arch. Virol., 148: 827-839 (2003)   |  |  |  |                               |  |
|   | JP           | Rangarajan, A. and R.A. Weinberg, "Comparative biology of mouse versus human cells: modeling human cancer in mice," Nature Reviews Cancer, 3: 952-959 (2003)   |  |  |  |                               |  |
|   | JQ           | Ransohoff, R.M. et al., "Three or more routes for leukocyte migration into the central nervous system," Nat. Rev. Immunol., 3: 569-581 (2003)  |  |  |  |                               |  |
|   | JR           | Reddy et al. "Folate-mediated targeting of therapeutic and imaging agents to cancers," Crit Rev Ther Drug Carrier Syst. 15(6):587-627 (1998)   |  |  |  |                               |  |
|   | JS           | Reno, F., "Non-clinical Toxicology", Principles and Practice of Pharmaceutical Medicine, A.J. Fletcher et al.(eds.), ch.6: 55-64 (c2002) John Wiley & Sons Ltd.  |  |  |  |                               |  |
|   | JT           | Ribas, A. et al., "Current Developments in Cancer Vaccines and Cellular Immunotherapy," Journal of Clinical Oncology, 21(12): 2415-2432 (2003)   |  |  |  |                               |  |
|   | JU           | Ring, C.J.A., "Cytolytic viruses as potential anti-cancer agents," J. Gen. Virol., 83: 491-502 (2002)  |  |  |  |                               |  |
|   | JV           | Rodriguez, J.F. et al., "Expression of the firefly luciferase gene in vaccinia virus: A highly sensitive gene marker to follow virus dissemination in tissues of infected animals," Proc. Natl. Acad. Sci. U.S.A., 85: 1667-1671 (1988)    |  |  |  |                               |  |
|   | JW           | Rothenberg, M.L. et al., "Improving the evaluation of new cancer treatments: challenges and opportunities", Nat. Rev. Cancer, 3: 303-309 (2003)  |  |  |  |                               |  |
|   | JX           | Ruef et al. "Sternal wound infection after heart operations in pediatric patients associated with nasal carriage of <i>Staphylococcus aureus</i> " J. of Thoracic and Cardiovascular Surgery 112(3): 681-686 (1996)                        |  |  |  |                               |  |
|   | JY           | Santoro, J. and M.E. Levison, "Rat Model of Experimental Endocarditis," Infect. Immun. 19(3): 915-918 (1978)   |  |  |  |                               |  |
|   | JZ           | Schlör et al., "In vivo and in vitro studies on interactions between the components of the hemolysin (HlyA) secretion machinery of <i>Escherichia coli</i> ," Mol.Gen.Genet. 256: 306-319 (1997)   |  |  |  |                               |  |
| /D.S./  | KA           | Schmidt et al. "Generation of effective cancer vaccines genetically engineered to secrete cytokines using adenovirus-enhanced transferrin infection (AVET)," Gene. 190(1):211-6 (1997)   |  |  |  |                               |  |
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| /D.S./  | KB           | Shapiro, D. and A.W. Fox, "Biotechnology Products and Their Development", Principles and Practice of Pharmaceutical Medicine, A.J. Fletcher, et al.(eds.), ch.17: 191-201, c2002 John Wiley & Sons             |  |                               |
|   | KC           | Shariatmadari et al., "Improved technique for detection of enhanced green fluorescent protein in transgenic mice," Biotechniques 30:1282-1285 (2001)   |  |                               |
|   | KD           | Shata, M.T. et al., "Optimization of recombinant vaccinia-based ELISPOT assay", J. Immunological Methods, 283: 281-289 (2003)  |  |                               |
|   | KE           | Shenk, T., "Delivery systems for gene therapy: the adenovirus", Stem Cell Biology and Gene Therapy, Quesenberry, P.J. et al. (Eds.), ch.6: pp 161-178, c1998 Wiley-Liss, Inc.                                  |  |                               |
|   | KF           | Shepherd, A.J., "Good Laboratory Practice in the Research and Development Laboratory", Gene Therapy Technologies, Applications and Regulations, A. Meager (Ed.), ch.19: 375-381 (c1999) John Wiley & Sons Ltd. |  |                               |
|   | KG           | Shimizu, Y. et al., "Immunotherapy of tumor-bearing mice utilizing virus help", Cancer Immunol. Immunother., 27: 223-227 (1988)  |  |                               |
|   | KH           | Sinkovics, J. and J. Horvath, "New Developments in the Virus Therapy of Cancer: A Historical Review", Intervirology, 36: 193-214 (1993)  |  |                               |
|   | KI           | Sinkovics, J.G. and J.C. Horvath, "Newcastle disease virus (NDV): brief history of its oncolytic strains", J. Clin. Virol., 16: 1-15 (2000)  |  |                               |
|   | KJ           | Sinkovics, J.G. and J.C. Horvath, "Virus therapy of human cancers", Melanoma Research, 13: 431-432 (2003)  |  |                               |
|   | KK           | Smee, D.F. and R.W. Sidwell, "A review of compounds exhibiting anti-orthopoxvirus activity in animal models", Antiviral Research, 57: 41-52 (2003)   |  |                               |
|   | KL           | Smee, D.F. et al., "Effects of cidofovir on the pathogenesis of a lethal vaccinia virus respiratory infection in mice", Antivir. Res., 52: 55-62 (2001)  |  |                               |
|   | KM           | Smith, G.L. and B. Moss, "Infectious poxvirus vectors have capacity for at least 25000 base pairs of foreign DNA", Gene, 25: 21-28 (1983)  |  |                               |
|   | KN           | Smith, G.L. et al., "The formation and function of extracellular enveloped vaccinia virus", J. Gen. Virol., 83: 2915-2931 (2002)   |  |                               |
|   | KO           | Somia, N. and I.M. Verma, "Gene Therapy: Trial and Tribulations", Nat. Rev. Genet., 1(2): 91-99 (2000)   |  |                               |
|   | KP           | Spencer et al., "Unilateral Transplantation of Human Fetal Mesencephalic Tissue Into The Caudate Nucleus Of Patients with Parkinson's Disease", New England Journal of Medicine 327: 1541-1548 (1992)          |  |                               |
|   | KQ           | Stehle, G. et al., "Plasma protein (albumin) catabolism by the tumor itself--implications for tumor metabolism and the genesis of cachexia", Critical Reviews in Oncology/Hematology, 26: 77-100 (1997)        |  |                               |
|   | KR           | Stojdl, D.F. et al., "VSV strains with defects in their ability to shutdown innate immunity are potent systemic anti-cancer agents", Cancer Cell, 4:263-275 (2003)   |  |                               |
|   | KS           | Sudimack et al. "Targeted drug delivery via the folate receptor." Adv Drug Deliv Rev. 41(2):147-62 (2000)  |  |                               |
| /D.S./  | KT           | Sutton et al. "In vivo adenovirus-mediated suicide gene therapy of orthotopic bladder cancer." Mol Ther. 2(3):211-7 (2000)   |  |                               |

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| /D.S./  | KU           | Suzuki M., Szalay A.A., "Bacterial transformation using temperature-sensitive mutants deficient in peptidoglycan synthesis," <i>Methods Enzymol.</i> 68:331-342 (1979)   |  |                               |
|   | KV           | Suzuki, S. et al. "Coexpression of the partial androgen receptor enhances the efficacy of prostate-specific antigen promoter-driven suicide gene therapy for prostate cancer cells at low testosterone concentrations," <i>Cancer Research</i> 61(4):1276-1279 (2001)  |  |                               |
|   | KW           | Symons, J.A. et al., "A study of the vaccinia virus interferon- $\gamma$ receptor and its contribution to virus virulence", <i>Journal of General Virology</i> , 83: 1953-1964 (2002)  |  |                               |
|   | KX           | Szalay A.A. et al., "Separation of the complementary strands of DNA fragments on polyacrylamide gels," <i>Nucleic Acids Res.</i> 4(5):1569-78 (1977)   |  |                               |
|   | KY           | Szalay A.A. et al., "Genetic engineering of halotolerance in microorganisms: a summary," <i>Basic Life Sci.</i> 14:321-32 (1979)   |  |                               |
|   | KZ           | Technology Evaluation Center, "Special Report: Vaccines for the Treatment of Malignant Melanoma", <i>TEC Assessment Program</i> , 16(4): 1-46 (2001)   |  |                               |
|   | LA           | t'Hart, B.A. et al., "Gene therapy in nonhuman primate models of human autoimmune disease", <i>Gene Therapy</i> , 10: 890-901 (2003)   |  |                               |
|   | LB           | Theuer et al., "A recombinant form of pseudomonas exotoxin directed at the epidermal growth factor receptor that is cytotoxic without requiring proteolytic processing," <i>J.Biol.Chem.</i> 267(24): 16872-16877 (1992)   |  |                               |
|   | LC           | Timiryasova, T.M. et al., "Antitumor Effect of Vaccinia Virus in Glioma Model", <i>Oncology Research</i> , 11(3): 133-144 (1999)   |  |                               |
|   | LD           | Timiryasova, T.M. et al., "Replication-deficient vaccinia virus gene therapy vector: evaluation of exogenous gene expression mediated by PUV-inactivated virus in glioma cells", <i>Journal of Gene Medicine</i> , 3: 468-477 (2001)   |  |                               |
|   | LE           | Timiryasova, T.M. et al., "Vaccinia virus-mediated expression of wild-type p53 suppresses glioma cell growth and induces apoptosis." <i>Int J Oncol.</i> 14(5):845-54 (1999)   |  |                               |
|   | LF           | Timiryasova, T.M. et al., "Visualization of Vaccinia Virus Infection Using the Renilla-Luciferase-GFP Fusion Protein", <i>Bioluminescence &amp; chemiluminescence: Proceedings of the 11th International Symposium on Bioluminescence Chemiluminescence: Asilomar Conference Grounds, Pacific Grove, Monterey, California: September 6-10 2000 / (eds.): Case, J.F. et al., World Scientific Publishing Co. (c2001), pages 457-460</i> |  |                               |
|   | LG           | Timpl, "Antibodies to Collagens and Procollagens," <i>Methods Enzymol.</i> 82: 472-498 (1982)  |  |                               |
|   | LH           | Tjuvajev, J. et al., "Salmonella-based tumor-targeted cancer therapy: tumor amplified protein expression therapy (TAPET <sup>TM</sup> ) for diagnostic imaging," <i>J. Controlled Release</i> , 74: 313-315 (2001)   |  |                               |
|   | LI           | Toguchi et al., "Suicide Gene Therapy of C6 Glioma Cells Mediated by Replication-Deficient and Replication Competent Vaccinia Viruses," <i>Cancer Gene Therapy</i> 10: S32 (2003) presented at the Eleventh International Conference on Gene Therapy of Cancer, December 12-14, 2002, San Diego California   |  |                               |
|   | LJ           | Tokugawa et al., "A model system for the continuous production of a heterologous protein using a novel secretion promoting factor which operates in <i>Escherichia coli</i> ," <i>J.Biotechnol.</i> 37:33-37 (1994)  |  |                               |
|   | LK           | Tokugawa et al., "A novel protein secretion factor from a <i>Vibrio</i> species which operates in <i>Escherichia coli</i> ," <i>J.Biotechnol.</i> 35: 69-76 (1994)   |  |                               |
| /D.S./  | LL           | Tonetti DA et al "Stable transfection of an estrogen receptor beta cDNA isoform into MDA-MB-231 breast cancer cells," <i>J Steroid Biochem Mol Biol.</i> 87(1):47-55 (2003)  |  |                               |
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| Examiner<br>Initial   | Desig.<br>ID | Document  |  |  |  |                               |  |
| /D.S./  | LM           | Tresco et al., "Polymer-encapsulated PC12 Cells: Long-Term Survival and Associated Reduction in Lesion-Induced Rotational Behavior", Cell Transplantation 1:255-264 (1992)  |  |  |  |                               |  |
|   | LN           | Tscharke, D.C. et al., "A model for vaccinia virus pathogenesis and immunity based on intradermal injection of mouse ear pinnae", J. Gen. Virol., 80: 2751-2755 (1999)  |  |  |  |                               |  |
|   | LO           | Tscharke, D.C. et al., "Dermal infection with vaccinia virus reveals roles for virus proteins not seen using other inoculation routes", Journal of General Virology, 83: 1977-1986 (2002)   |  |  |  |                               |  |
|   | LP           | Tseng, J.-C. et al., "In Vivo Antitumor Activity of Sindbis Viral Vectors", Journal of the National Cancer Institute, 94(23): 1790-1802 (2002)  |  |  |  |                               |  |
|   | LQ           | Tseng, J.-C. et al., "Systemic tumor targeting and killing by Sindbis viral vectors", Nat. Biotechnol., 22(1): 70-77 (2004)   |  |  |  |                               |  |
|   | LR           | Tsung, K. et al., "Immune Response Against Large Tumors Eradicated by Treatment with Cyclophosphamide and IL-12", J. Immunol., 160: 1369-1377 (1998)  |  |  |  |                               |  |
|   | LS           | Vanderplasschen, A. et al., "Antibodies against vaccinia virus do not neutralize extracellular enveloped virus but prevent virus release from infected cells and comet formation", Journal of General Virology, 78: 2041-2048 (1997)  |  |  |  |                               |  |
|   | LT           | Vanderplasschen, A. et al., "Intracellular and extracellular vaccinia virions enter cells by different mechanisms", Journal of General Virology, 79: 877-887 (1998)   |  |  |  |                               |  |
|   | LU           | Varghese, S. and S.D. Rabkin, "Oncolytic herpes simplex virus vectors for cancer virotherapy", Cancer Gene Therapy, 9: 967-978 (2002)   |  |  |  |                               |  |
|   | LV           | Vento, S. and F. Cainelli, "Infections in patients with cancer undergoing chemotherapy: aetiology, prevention, and treatment", Lancet, 4: 595-604 (2003)  |  |  |  |                               |  |
|   | LW           | Vestweber, D., "Regulation of endothelial cell contacts during leukocyte extravasation", Curr. Opin. Cell Biol., 14: 587-593 (2002)   |  |  |  |                               |  |
|   | LX           | Vile, R. et al., "The oncolytic virotherapy treatment platform for cancer: Unique biological and biosafety points to consider", Cancer Gene Therapy, 9: 1062-1067 (2002)  |  |  |  |                               |  |
|   | LY           | Vogel, J.R., "Outsourcing Clinical Drug Development Activities to Contract Research Organizations (CROs): Critical Success Factors", Principles and Practice of Pharmaceutical Medicine, A.J. Fletcher et al.(eds.), ch.40: 461-482 (c2002) John Wiley & Sons Ltd.            |  |  |  |                               |  |
|   | LZ           | Voisey et al. Elimination of internal restriction enzyme sites from a bacterial luminescence (luxCDABE) operon." Biotechniques 24(1):56, 58 (1998)  |  |  |  |                               |  |
|   | MA           | Wallack, M.K. et al., "A Phase III Randomized, Double-Blind, Multiinstitutional Trial of Vaccinia Melanoma Oncolysate-Active Specific Immunotherapy for Patients with Stage II Melanoma", Cancer, 75(1): 34-42 (1995)   |  |  |  |                               |  |
|   | MB           | Wallack, M.K. et al., "Increased Survival of Patients Treated With a Vaccinia Melanoma Oncolysate Vaccine", Annals of Surgery, 226(2): 198-206 (1997)   |  |  |  |                               |  |
|   | MC           | Wallack, M.K. et al., "Surgical Adjuvant Active Specific Immunotherapy for Patients with Stage III Melanoma: The Final Analysis of Data From a Phase III, Randomized, Double-Blind, Multicenter Vaccinia Melanoma Oncolysate Trial", J. Am. Coll. Surg., 187(1): 69-79 (1998) |  |  |  |                               |  |
|   | MD           | Wang Y. et al., "A study of protein-protein interactions in living cells using luminescence resonance energy transfer (LRET) from Renilla luciferase to Aequorea GFP," Mol Gen Genet. 264(5):578-87 (2001)  |  |  |  |                               |  |

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| Substitute Form PTO-1449<br>(Modified)  |              | U.S. Department of Commerce<br>Patent and Trademark Office  |  | Attorney's Docket No.<br>17248-004US1/<br>4804US |  | Application No.<br>10/516,785 |  |
| List of Patents and Publications for Applicant's<br>Information Disclosure Statement<br><br>(37 CFR §1.98(b)) |              |   |  | Applicant<br>Szalay et al.                       |  |                               |  |
|   |              |   |  | Filing Date<br>December 3, 2004                  |  | Group Art Unit<br>1645        |  |
| Other Documents (include Author, Title, Date, and Place of Publication)                                       |              |   |  |  |  |                               |  |
| Examiner<br>Initial   | Desig.<br>ID | Document  |  |  |  |                               |  |
| /D.S./  | ME           | Wang Y. et al., "Renilla luciferase- Aequorea GFP (Ruc-GFP) fusion protein, a novel dual reporter for real-time imaging of gene expression in cell cultures and in live animals," Mol Genet Genomics. 268(2):160-8 (2002)   |  |  |  |                               |  |
|   | MF           | Wang, Y. et al., "The Renilla Luciferase-Modified GFP Fusion Protein is Functional in Transformed Cells", Bioluminescence & chemiluminescence: Proceedings of the 9th International Symposium on Bioluminescence Chemiluminescence: Woods Hole, Massachusetts, October 1996 / (eds.) Hastings, J.W. et al., John Wiley & Sons Ltd., pp. 419-422 (c1997) |  |  |  |                               |  |
|   | MG           | Warrington et al. "Developing VDEPT for DT-diaphorase (NQO1) using an AAV vector plasmid," Int J Radiat Oncol Biol Phys. 42(4):909-12 (1998)  |  |  |  |                               |  |
|   | MH           | Wegner et al., "Cis-acting sequences from mouse rDNA promote plasmid DNA amplification and persistence in mouse cells: implication of HMG-I in their function", Nucleic Acids Research 17:9909-9932 (1989)  |  |  |  |                               |  |
|   | MI           | Weissleder et al. "Drug targeting in magnetic resonance imaging," Magnetic Resonance Quarterly. 8(1):55-63 (1992)   |  |  |  |                               |  |
|   | MJ           | Weissleder, T. et al., "In vivo magnetic resonance imaging of transgene expression", Nat. Med. , 6(3): 351-354 (2000)   |  |  |  |                               |  |
|   | MK           | Welling et al "Technetium-99m labelled antimicrobial peptides discriminate between bacterial infections and sterile inflammations." Eur J Nucl Med. 27(3):292-301 (2000)  |  |  |  |                               |  |
|   | ML           | Welling et al "Radiochemical and biological characteristics of 99mTc-UBI 29-41 for imaging of bacterial infections." Nucl Med Biol. 29(4):413-22 (2002)   |  |  |  |                               |  |
|   | MM           | West et al. "Identification of a somatodendritic targeting signal in the cytoplasmic domain of the transferrin receptor." J Neurosci. 17(16):6038-47 (1997)   |  |  |  |                               |  |
|   | MN           | Wharton, M. et al., "Recommendations for Using Smallpox Vaccine in a Pre-Event Vaccination Program", MMWR, 52(RR-7): 1-16 (2003)  |  |  |  |                               |  |
|   | MO           | Whitley, R.J., "Smallpox: a potential agent of bioterrorism", Antiviral Research 57: 7-12 (2003)  |  |  |  |                               |  |
|   | MP           | Williams J.G. and Szalay A.A., "Stable integration of foreign DNA into the chromosome of the cyanobacterium <i>Synechococcus</i> R2," Gene. 24(1):37-51 (1983).   |  |  |  |                               |  |
|   | MQ           | Winn et al., "Behavioral Recovery following Intrastriatal Implantation of Microencapsulated PC12 Cells", Experimental Neurology 113:322-329 (1991)  |  |  |  |                               |  |
|   | MR           | Winn, S.R. et al., Polymer-encapsulated cells genetically modified to secrete human nerve growth factor promote the survival of axotomized septal cholinergic neurons," Proceedings of the National Academy of Science, 91:2324-2328 (1994).  |  |  |  |                               |  |
|   | MS           | Wisher, M., "Biosafety and product release testing issues relevant to replication-competent oncolytic viruses", Cancer Gene Therapy, 9: 1056-1061 (2002)  |  |  |  |                               |  |
|   | MT           | Wittrup, D., "Tumor Targeting Theory", IBC's 15 <sup>th</sup> Annual International Antibody Engineering Conference entitled Antibody Engineering: Forging the Future of Antibody Therapeutics, November 30 - December 3, 2003 - The Paradise Point Resort - San Diego, CA, pp. 1-17   |  |  |  |                               |  |
|   | MU           | Wlodaver, C.G. et al., "Laboratory-acquired vaccinia infection", Journal of Clinical Virology, xxx: 1-5 (2003)  |  |  |  |                               |  |
| /D.S./  | MV           | Wong, M.M. and E.N. Fish, "Chemokines: attractive mediators of the immune response", Semin. Immunol. 15: 5-14 (2003)  |  |  |  |                               |  |

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| Examiner<br>Initial   | Desig.<br>ID | Document   |  |  |  |                               |  |
| /D.S./  | MW           | Yadav, R. et al., "Migration of leukocytes through the vessel wall and beyond," Thromb. Haemost., 90: 598-606 (2003)   |  |  |  |                               |  |
|   | MX           | Yansura, D.G. and Henner D.J., "Use of the Escherichia coli lac repressor and operator to control gene expression in Bacillus subtilis," Proc. Natl. Acad. Sci USA 81: 439-443 (1984)  |  |  |  |                               |  |
|   | MY           | Yu Y.A., "Visualization of molecular and cellular events with green fluorescent proteins in developing embryos: a review," Luminescence. 18(1):1-18 (2003) Erratum in: Luminescence. 2003 Jul-Aug;18(4):243                                |  |  |  |                               |  |
|   | MZ           | Yu Y.A. et al., "A Renilla luciferase-Aequorea GFP ( <i>ruc-gfp</i> ) fusion gene construct permits real-time detection of promoter activation by exogenously administered mifepristone in vivo," Mol Genet Genomics. 268(2):169-78 (2002) |  |  |  |                               |  |
|   | NA           | Yu Y.A. et al., "Optical imaging: bacteria, viruses, and mammalian cells encoding light-emitting proteins reveal the locations of primary tumors and metastases in animals," Anal Bioanal Chem. 377(6):964-72 (2003)                       |  |  |  |                               |  |
|   | NB           | Yu, Y.A. et al. "Visualization of tumors and metastases in live animals with bacteria and vaccinia virus encoding light-emitting proteins," Nat Biotech. 22(3): 313-320 (2004)   |  |  |  |                               |  |
|   | NC           | Yun A.C. et al. "Nitrogenase promoter- <i>lacZ</i> fusion studies of essential nitrogen fixation genes in Bradyrhizobium japonicum 1110," J Bacteriol. 167(3):784-91 (1986)  |  |  |  |                               |  |
|   | ND           | Zamir et al. "Stable chromosomal integration of the entire nitrogen fixation gene cluster from Klebsiella pneumoniae in yeast," Proc Natl Acad Sci U S A. 78(6):3496-500 (1981)  |  |  |  |                               |  |
|   | NE           | Zauch, G.M. et al., "The Pathology of Experimental Aerosolized Monkeypox Virus Infection in Cynomolgus Monkeys ( <i>Macaca fascicularis</i> )", Lab. Invest., 81: 1581-1600 (2001)   |  |  |  |                               |  |
|   | NF           | Zeh, H.J. and D.L. Bartlett, "Development of a replication-selective, oncolytic poxvirus for the treatment of human cancers", Cancer Gene Therapy, 9: 1001-1012 (2002)   |  |  |  |                               |  |
|   | NG           | Zhang et al., "Urothelium-specific Expression of an Oncogene in Transgenic Mice Induced the Formation of Carcinoma <i>in Situ</i> and Invasive Transitional Cell Carcinoma," Cancer Res. 59: 3512-3517 (1999)                              |  |  |  |                               |  |
|   | NH           | Zhu et al., "Smad3 Mutant Mice Develop Metastatic Colorectal Cancer," Cell 94: 703-714 (1998)  |  |  |  |                               |  |
|   | NI           | Zinkernagel, R.M., "Uncertainties — discrepancies in immunology," Immunological Reviews 185: 103-125 (2002)  |  |  |  |                               |  |
|   | NJ           | Zinn et al., "Simultaneous evaluation of dual gene transfer to adherent cells by gamma-ray imaging," Nuclear Medicine and Biology 28(2):135-144 (2001)   |  |  |  |                               |  |
| /D.S./  | NK           | Zinn et al. "Noninvasive monitoring of gene transfer using a reporter receptor imaged with a high-affinity peptide radiolabeled with <sup>99m</sup> Tc or <sup>188</sup> Re," J Nucl Med. 41(5):887-895 (2000)                             |  |  |  |                               |  |

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